

**TOP SECRET**

Copy **12**  
61 Pages

15301

January 1965

25X1

**PHOTOGRAPHIC INTERPRETATION REPORT**

**OAK - PART II**  
**MISSION 1015-2**  
**25, 28-30 DECEMBER 1964**



CIA



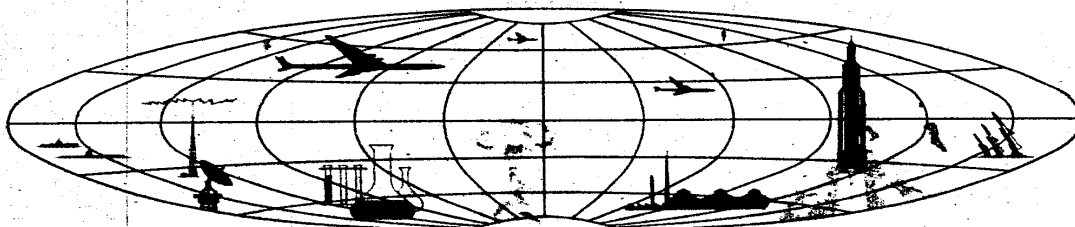
DIA

Declass Review by  
NIMA/DOD



25X1

**NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER**



**TOP SECRET**

GROUP 1  
Excluded from automatic  
downgrading and declassification

TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

ATTACHMENT 28



BAFFLE GRIDS, PAI-CHENG WEAPONS TEST RANGE, CHINA

NPIC J-7060 (1/65)

TOP SECRET

25X1

TOP SECRET

25X1

25X1

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

## OAK - PART II

### MISSION 1015-2

#### PREFACE

THIS IS THE SECOND OF TWO OAK REPORTS ON MISSION 1015-2 AND PROVIDES INFORMATION ON THOSE COMMITTEE ON OVERHEAD RECONNAISSANCE (COMOR) TARGETS OBSERVED ON THE PHOTOGRAPHY. COMOR TARGETS OBSERVED ON MISSION 1015-2 ARE LISTED IN THE INDEX OF THIS REPORT.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. LOCATIONS OF TARGETS IN THIS REPORT ARE INDICATED BY THE COUNTRY CODE PRECEDING THE COORDINATES.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH) OR D FOR DESCENDING (NORTH-TO-SOUTH). FRAMES ARE INDICATED BY THE LETTERS FR. THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA, AND THE LETTER A INDICATES THE AFT CAMERA. ABSENCE OF THESE LETTERS INDICATES THAT THESE ARE FRAME AND INDEX NUMBERS. UNIVERSAL REFERENCE GRID (X-Y) COORDINATES ARE GIVEN IN PARENTHESIS AFTER THE FRAME TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS UNIVERSAL GRID NO 1, FEB 64. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), H (HAZE), CS (CLOUD SHADOW), HC (HEAVY CLOUD COVER), SC (SCATTERED CLOUD COVER), SD (SEMDARKNESS), O (OBLIQUITY), S (SNOW), PQ (POOR IMAGE QUALITY).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY IS BEING ACCOMPLISHED IN A SHORT TIME AND PRIOR TO FINAL REFINEMENT OF EPHEMERAL DATA. CONSEQUENTLY, FUTURE DETAILED ANALYSIS MAY RESULT IN MINOR ALTERATIONS.

TOP SECRET

25X1

25X1

**Page Denied**

Next 2 Page(s) In Document Denied

## **Highlights**

25X1

TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

HIGHLIGHTS**1. TATISHCHEVO ICBM COMPLEX (MISSILE BONUS)**

THIS NEWLY IDENTIFIED ICBM COMPLEX IS LOCATED TO THE NORTH OF TATISHCHEVO AT 51-40N 045-36E. IT CONSISTS OF A COMPLEX SUPPORT FACILITY, A RAIL-TO-ROAD TRANSFER POINT, AND A GENERALLY CIRCULAR LAUNCH GROUP OF 9 CONFIRMED SINGLE SILO LAUNCH SITES.

**2. OLOVYANNAYA ICBM COMPLEX**

TWO NEWLY IDENTIFIED SINGLE SILOS, DESIGNATED D13 AND PROBABLE D14, HAVE BEEN ADDED TO LAUNCH GROUP D. D13 IS APPROXIMATELY 9 NM SSW OF THE SUPPORT/CONTROL FACILITY WHILE PROBABLE D14 IS 8.4 NM SW OF THE FACILITY.

**3. KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR**

ENTIRE CENTER IS COVERED BY CLEAR PHOTOGRAPHY. A PROBABLE LAUNCH AREA, PREVIOUSLY REPORTED AS AN UNIDENTIFIED FACILITY, IS IDENTIFIED 1.5 NM NW OF THE SAM R & D LAUNCH AREA. UNIDENTIFIED CONSTRUCTION ACTIVITY HAS TAKEN PLACE SE OF THIS PROBABLE LAUNCH AREA. A RECTANGULAR PATTERN IN THE SOUTHEASTERN QUADRANT OF THE SA-1 (HERRINGBONE) LAUNCH AREA APPEARS SOMEWHAT SIMILAR TO PRELIMINARY ACTIVITY OBSERVED AT SOME OF THE MOSCOW SA-1 SAM SITES

IN THE SSM FACILITIES, LAUNCH COMPLEX H HAS BEEN NEWLY IDENTIFIED 2.5 NM NNE OF LAUNCH COMPLEX E. UNDER CONSTRUCTION, IT CONSISTS OF A FENCED, ROAD-SERVED 735-BY 620-FT LAUNCH AREA WITH 2 SOFT, ROAD-SERVED LAUNCH PADS AND A PROBABLE CONTROL BUNKER. ACTIVITY IS NOTED IN LAUNCH AREAS 1C, 3C, 4C, AND 5C.

**4. SHUANG-CHENG-TZU MISSILE TEST CENTER**

THE ENTIRE CENTER EXCEPT FOR THE AIRFIELD IS COVERED BY PHOTOGRAPHY. NO CHANGE IS APPARENT IN THE FACILITIES

**5. EGYPTIAN SAM SITES (MISSILE BONUS)**

THREE SA-2 SAM SITES ARE NEWLY IDENTIFIED IN THE VICINITY OF THE SUEZ CANAL. ONE OF THE SITES IS LOCATED 11 NM TO THE NORTH OF AL ISMAILIYAH AT 30-46-20N 032-18-00E AND ANOTHER IS 12 NM TO THE SOUTH AT 30-23-20N 032-15-30E. THE THIRD SITE IS LOCATED 11.5 NM NE OF AS SUWAYS AT 30-04-10N 032-44-20E. THIS MAKES A TOTAL OF 8 NEWLY IDENTIFIED SA-2 SAM SITES IN EGYPT. (SEE OAK, PART 1).

25X1

25X1

25X1

25X1

25X1

25X1

25X1

TOP SECRET

TOP SECRET [REDACTED]

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1 [REDACTED]

[REDACTED] 25X1

25X1

**6. VLADIMIROVKA FLIGHT TEST CENTER** [REDACTED]

A CLEARED STRIP APPROXIMATELY 11,500 FT LONG HAS BEEN  
ADDED IMMEDIATELY NORTH OF THE 13,350-FT RUNWAY.

[REDACTED]

25X2

**STATUS OF COMOR TARGET READOUT**

TWENTY ACTIVE TARGETS WERE OBSERVED IN THE OAK REPORTING  
PERIOD AND ARE COVERED IN THIS OAK AND ARE LISTED IN THE  
INDEX AT THE CONCLUSION OF THIS REPORT.

**TABULAR SUMMARY**

A RECAPITULATION OF SIGNIFICANT ACTIVITY IS PRESENTED  
IN THE FOLLOWING TABLES ON SUCCEEDING PAGES --

TABLE 1 -- SOVIET ICBM DEPLOYMENT  
TABLE 2 -- SOVIET MRBM AND IRBM DEPLOYMENT  
TABLE 3 -- SAM AND AMM DEPLOYMENT  
TABLE 4 -- NUCLEAR ENERGY ACTIVITY  
TABLE 5 -- AIRCRAFT ACTIVITY  
TABLE 6 -- SUBMARINE ACTIVITY  
TABLE 7 -- DATE AND TIME OF PHOTOGRAPHIC PASSES

TOP SECRET [REDACTED]

25X1

25X1

25X1

Table 1. Soviet ICBM Deployment

Complex	Launch Area														Total Soft Sites	Total Hard Sites	Total Launch Positions		
	A	B	C	D	E	F	G	H	I	J	K	L	M	N					
Alrysk	M	M	M	M	M	M										6	6		
Dombanovskiy	M	M	M	M	E											5	5		
Drovyanskaya	⊙	⊙	⊙	⊙	⊙	⊙										3	15		
Gladkaya	C	C		C												2	7		
Ineni Gastello	M	M	M	M	M	M										6	6		
Itatka	C	C	C													3	6		
Kartaly	M	M	M	M	M	M										6	6		
Kostroma	C	C	C	C	C	C	C	M								6	18		
Kozelsk	C	C		C	C	C										3	12		
Novosibirsk	C	C	L	C	C											3	12		
Olovyanskaya	⊙	⊙	⊙	⊙												17	23		
Orsk	C															1	3		
Perm	C	C	C	C	C	C										5	13		
Plesetsk*	C	C	C	C	C	C	E	E								10*	10		
Shadrinsk	⊙	⊙	⊙													3	9		
Svobodnyy	C	C	C	C	C	C	C	C								7	17		
Tatishchevo	⊙															9	9		
Teykovo	C	C	C	C	C	C										6	12		
Tyumen	⊙		⊙													2	4		
Uzhur	⊙	M	M	M	⊙	⊙											6		
Verkhnyaya Salda	⊙	⊙	⊙	⊙	⊙	⊙	⊙	C	⊙							7	20		
Yedrovo	C	C	C	C	C	C	C		C							6	18		
Yoshkar-Ola	C	C	C	C	C	C										6	12		
Yurya	C	C	C	C	C	C	C	C	C	C	C					8	25		
Zhangiz-Tobe	M	M	M	M	M	E										6	6		
Construction Status (C-complete, L-late, M-mid, E-early)															Deployment Total		77	85	289
Tyuratam MTC	C	C	C	C	C	C	L	C	M	M	M					10	9	35	
Grand Total															87	+94	+324		

\*Includes Launch Points H-V, complete, but does not include 2 SSM pads at Launch Area F

\*\*Carried as Launch Group includes 66 single silos (6 Alrysk, 5 Dombanovskiy, 9 Ineni Gastello, 6 Kartaly, 14 Olovyanskaya, 9 Tatishchevo, 6 Uzhur, 6 Zhangiz-Tobe, 8 Tyuratam)

□

Newly identified

⊙

Covered by current mission

\*Includes 1 launch Faults LHV, complete, but does not include 2 SSN parts at Launch Area F

\*\*Carried as Launch Group

\*Includes 68 single silos (6 Alrysk, 5 Dombanovskiy, 6 Ineni Gastello, 6 Kartaly, 14 Olovyanskaya, 9 Tatishchevo, 6 Uzhur, 6 Zhangiz-Tobe, 8 Tyuratam)

□ Newly identified

⊙ Covered by current mission

TOP SECRET

TOP SECRET  
MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1



25X1

TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

Table 2. Soviet MRBM and IRBM Deployment

Geographic Area	Soft MRBM Launch Areas	Soft IRBM Launch Areas	Hard MRBM Launch Areas	Hard IRBM Launch Areas	Total Launch Areas	Total Launch Positions
Western	121	11	16	11	161	633
Caucasus	3		2	3	8	29
Central Asia	2	3	1	4	10	36
Far Eastern	11	1		2	14	54
Totals	137	15	21	20	193	752

Totals do not include 71 fixed field-type sites with total of 259 launch positions and one launch facility at Sovetskaya Gavan.

Table 3. SAM and AMM Deployment

					Country													
					USSR	Albania	Bulgaria	Czechoslovakia	Hungary	Poland	Rumania	Yugoslavia	China	North Korea	Indonesia	Egypt	Cuba	India
SA-0	} SAM sites	13																
SA-1		56																
SA-2		960*	1	19	22	16	30	16	3	12	2	4	21*	24**	1			
SA-3		107					1											
SAM support facilities		196	1	4	5	3	6	2	1		1		4	6				
Probable AMM complexes		3																
AMM/SAM complexes		2***																

\*Does not include 9 alternate sites. (4 in USSR; 5 in Egypt)

\*\*\*Includes 1 suspect complex.

\*\*Does not include 22 abandoned sites.

25X1

25X1

TOP SECRET

25X1

25X2

**Page Denied**

Next 1 Page(s) In Document Denied

Handle Via  
TALENT:KEYHOLE  
Control System Only

**TOP SECRET CHESS RUFF**  
MISSION 1015-2, 25, 28-30 DECEMBER 1964

TCS-80050/65

TOP SECRET

25X1

25X1

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

Table 6. AIRCRAFT ACTIVITY

Airfield	Previous Significant Aircraft Count													Observed this Mission												
	RUON	REAR	RUSSE	BLUNDER	DOWNYER	MALDINE	MULLON	FODLER	FITTER	FUMED	FUMIT	ARMED	ARMED	RUON	REAR	RUSSE	BLUNDER	DOWNYER	MALDINE	MULLON	FODLER	FITTER	FUMED	FUMIT	ARMED	ARMED
Aktubinsk-Vladimirovka	10 B	2	11	12										82	10 B	24	51									
Alekseyevka			45											44		261										
Anisovo-Gorodishche			15											24												
Arkhangelsk-Kholm*														0												
Arum North			80											80												
Baranovich*			24	51										29												
Belaya			57											57												
Belaya Tserkov			6	63										69												
Bobruysk*			88											88												
Borzya NB			9											9		62										
Bykhov*			277											27												
Chepelevka*			59											59												
Chernovo-Glinskoye			10											10												
Dolon*	21 B	251												25												
Engel*	35		11											26		21										35
Gomel Probyki			9	88										45												
Kalinin*			52											52												
Kalinograd-Proverka			10	87										47												
Karakut			213											27												
Karas A.C. Pit 22			3	11										26												
Khorost East			47	212*										0												
Mal Vayr			77											1												
Melitopol			6											10												
Mosk-Marchulishche*														0												
Mirgorod			84											84												
Moscow-Ramenskoye	6	B	18**	5	1									26												
Mordok*														0												
Nozhin			23											23												
Nikolayev-Kulbakino			51											51												
Oktyabrskoye														0												
Olesnograd			10											10												
Orsha Southwest*			25											25												
Ostrov-Gorokhova			26											26												
Petropavlovsk-Yelizovo														0												
Poltava*			61											61												
Priluki*			27											27												
Romanovka West			20											24												
Ryazan-Dyagilevo	22		17											22												
Saku	D. B		22	5										27												
Sarabuz			18											16												
Severomorsk			0											0												
Saulist*	221	B	B											22												
Soltsy*			27											27												
Spasok-Dalnits East			21											24												
Surya*			22											20												
Tartu			284											28												
Ukraine*	42	B	B											42												
Ussuriysk-Vozdvizhenka*			56											56												
Zhitomir-Skodorokh*			0											0												
TOTALS	41	66	1025	113	1			8	1	4		2	1546	53		60	3									97
	10 B	B												1 B												

POSSIBLE \* PROBABLE \*\*BADGER CAMEL \*\*\*PLUS \* BADGER CAMEL COOKPOT B C BEAR CLEAT

TOP SECRET

25X1

25X1

25X1

Table 6. Submarine Activity.

Base	Previous Submarine Count										Observed this Mission									
	SSBY H-class	SSBY E-class	SSB G-class	SSB Z-class	SSD J-class	SSW A-class	SS F-class	SS R-class	SS W-class	SS Q-class	SSBY H-class	SSBY E-class	SSB G-class	SSB Z-class	SSD J-class	SSW A-class	SS F-class	SS R-class	SS W-class	SS Q-class
Balakhava								51 W R												
Dunay									1											
Gorkiy									2											
Kronstadt									9											
Komsomol'sk																				
Leningrad									51											
Litpaya								12 W R												
Litsa Bay									4											
Magadan								31												
Olesya Guba									3											
Pechenga								2 W R												
Petropavlovsk								31 W R												
Kamchatka									21											
Petrovka								31 W R												
Polyarny									10											
Riga								11 W R												
Rosta								41												
Sayda Guba								11												
Sevastopol									6											
Severodvinsk									31											
Sverdlovsk									3											
Svetlitskaya																				
Gavan								3 W R												
Strelak Strait									41											
Tallinn									1											
Ura Guba								51 W R												
Vladimir									41											
Vladivostok									31											
Yokanga																				
TOTALS	5	8	1	1	9	F Z	12	87	1	162										
								38 W R												

\*E: Class    † POSSIBLE    ‡ PROBABLE

TOP SECRET

TOP SECRET  
MISSION 1015.2, 25, 28-30 DECEMBER 1964

25X1

25X1

25X1

25X1

**Page Denied**

## **Missiles**

TOP SECRET

25X1

25X1

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

MISSILES

25X1

SHADRINSK ICBM COMPLEX UR 5608N 06340E

COMPLEX COVERED BY HAZY, SNOW-COVERED PHOTOGRAPHY.

NO SIGNIFICANT CHANGE AT COMPLEX SUPPORT FACILITY  
OR RAIL-TO-ROAD TRANSFER POINT

25X1

25X1

LAUNCH AREAS A (SITE 1), B (SITE 2),  
AND C (SITE 3) CAN BE IDENTIFIED ONLY, HOWEVER,  
SNOW APPARENTLY HAS NOT BEEN REMOVED FROM THE  
ROADS IN THE LAUNCH AREAS.NO ABM ACTIVITY OBSERVED WITHIN A 50-NM RADIUS OF  
SEARCH AREA.

25X1

TYUMEN ICBM COMPLEX UR 5652N 06553E

COMPLEX CAN BE IDENTIFIED ONLY DUE TO DARK,  
HAZY PHOTOGRAPHY.NO ABM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS  
WITHIN THE WESTERN 90 PERCENT OF SEARCH AREA.

25X1

25X1

OLOVYANNAYA ICBM COMPLEX UR 5049N 11550E

ENTIRE COMPLEX COVERED BY STEREO  
PHOTOGRAPHY WITH GROUND SNOW COVER. THE COMPLEX  
SUPPORT FACILITY AND LAUNCH AREAS A (SITE 1) AND  
B (SITE 2), AND SITES D3 (SITE 7), D4 (SITE 8),  
D11 AND D12 ARE COVERED BY HEAVY HAZE WHICH  
PRECLUDES DETAILED INTERPRETATION. SITE D7  
(SITE 6) IS CLOUD COVERED. THE RAIL-TO-ROAD  
TRANSFER POINT, LAUNCH AREA C (SITE 3), AND SITES D1  
(SITE 4), D2 (SITE 5), D6 (SITE 10), D8-D10  
(SITES 11-13) SHOW NO APPARENT CHANGE

25X1

25X1

HOWEVER, OBLIQUITY AND  
SNOW COVER PRECLUDE DETAILED INTERPRETATION.

TWO NEWLY IDENTIFIED SINGLE SILOS HAVE BEEN ADDED

1

TOP SECRET

25X1

## TOP SECRET CHESS RUFF

25X1

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

TO LAUNCH GROUP D. THEY ARE DESIGNATED D13 AND PROBABLE D14. SITE D13 IS LOCATED APPROXIMATELY 9 NM SSW OF THE SUPPORT/CONTROL FACILITY AND CONSISTS OF A SILO EXCAVATION, A PROBABLE RING-LIKE OBJECT NEARBY, AND 2 BUILDINGS LOCATED TO THE EAST. FIRST EVIDENCE OF THE SITE

25X1

25X1

AND IT CAN BE NEGATED

25X1

PROBABLE SITE D14 IS LOCATED 8.4 NM SW OF THE SUPPORT/CONTROL FACILITY AND CONSISTS OF A PROBABLE SILO EXCAVATION AND 1 T-SHAPED BUILDING, 6 RECTANGULAR AND 2 SMALL BUILDINGS. FIRST EVIDENCE OF THIS SITE WAS

25X1

AND IT CAN BE NEGATED

25X1

SNOW COVER PRECLUDES

DETAILED INTERPRETATION OF THESE 2 NEW SITES.

NO ABM ACTIVITY OBSERVED IN THE CLOUD FREE AREA WITHIN A 50-NM RADIUS OF THE COMPLEX.

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT

25X1

(ATTACHMENTS 1 &amp; 2)

25X1

KARA-BABAU IRBM LAUNCH SITE 2 UR 4431N 07758E

25X1

THE ASSOCIATED RIM FACILITY IDENTIFIED AS UNDER CONSTRUCTION IS NOW COMPLETED EXCEPT FOR 1 BUILDING.

25X1

25X1

THE LAUNCH SITE SHOWS NO APPARENT CHANGE

25X1

25X1

SITE SUPPORT FACILITY IMMEDIATELY NE OF THE LAUNCH SITE NOW APPEARS TO BE TOTALLY ABANDONED. NO ELECTRONICS FACILITY DISCERNIBLE IN NEARBY AREA.

25X1

TOP SECRET

25X1



TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

25X1

KARA-BABAU IRBM LAUNCH SITE 3 UR 4431N 07743E

NO APPARENT CHANGE IN LAUNCH SITE  
HOWEVER, 3 BUILDINGS HAVE BEEN REMOVED  
IN THE SITE SUPPORT FACILITY.

NO ELECTRONICS FACILITY OBSERVED IN VICINITY.

BOLSHAYA KAMENKA IRBM LAUNCH SITE UR 5145N 04541E

NO APPARENT CHANGE IN LAUNCH AREA  
THE LAUNCH AREA IS CONSIDERED  
ABANDONED AND HAS BEEN DROPPED FROM THE NPIC LISTING  
OF ACTIVE IRBM MISSILE SITES

(SEE MISSILE BONUS 1, NEWLY IDENTIFIED ICBM COMPLEX  
AT TATISHCHEVO.)

KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR UR 4835N 04545E

THE ENTIRE CENTER IS COVERED BY CLEAR PHOTOGRAPHY.  
ACTIVITY AND NEW CONSTRUCTION ARE NOTED IN SEVERAL  
PORTIONS OF THE CENTER.

IN THE SAM FACILITIES, A PROBABLE LAUNCH AREA IS  
IDENTIFIED 1.5 NM NW OF THE SAM R & D LAUNCH AREA.  
THIS NEWLY IDENTIFIED PROBABLE LAUNCH AREA, PREVIOUSLY  
REPORTED AS AN UNIDENTIFIED FACILITY, CONSISTS OF  
A LOOP ROAD PATTERN ON WHICH IS SITUATED A CIRCULAR  
STRUCTURE AND A BUNKER, ALL WITHIN A SECURITY FENCE.  
SE OF THIS PROBABLE LAUNCH AREA, BETWEEN IT AND  
THE SAM R & D LAUNCH AREA, UNIDENTIFIED CONSTRUCTION  
ACTIVITY HAS TAKEN PLACE SINCE THE LAST  
INTERPRETABLE COVERAGE

A RECTANGULAR PATTERN IN THE SOUTHEASTERN QUADRANT  
OF THE SA-1 (HERRINGBONE) LAUNCH AREA APPEARS  
SOMEWHAT SIMILAR TO PRELIMINARY ACTIVITY OBSERVED  
AT SOME OF THE MOSCOW SA-1 SAM SITES DURING THE

TOP SECRET

25X1

TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

SUMMER [REDACTED] THIS PATTERN AT KY/VLAD MTC WAS  
PRESENT [REDACTED] HOWEVER [REDACTED] COVERAGE  
[REDACTED] DID NOT PERMIT IDENTIFICATION  
OF THE PATTERN.

25X1

25X1

THE SA-2 AND SA-3 LAUNCH AREAS SHOW NO APPARENT CHANGE  
[REDACTED] ALTHOUGH THE TOWER IN  
LAUNCH SITE B IN THE SA-3 LAUNCH AREA CAN NOW BE  
CONFIRMED TO BE OF LATTICEWORK CONSTRUCTION. THE  
REMAINDER OF THE SAM FACILITIES, THE HOUSING AND  
SUPPORT AREA, [REDACTED] THE MISSILE CHECKOUT  
AND STORAGE AREA, THE SAM SUPPORT BASE, THE TEST AND  
SUPPORT COMPLEX, THE FORMER ROCKET LAUNCH FACILITIES,  
AND ABANDONED LAUNCH COMPLEX F SHOW NO APPARENT  
CHANGE [REDACTED]

25X1

25X1

25X1

25X1

THE KAPUSTIN YAR AIRFIELD AND NEARBY ELECTRONIC  
SITE ALSO SHOW NO APPARENT CHANGE [REDACTED]

25X1

25X1

[REDACTED] AT LEAST 26 AIRCRAFT, INCLUDING 14 MEDIUM  
AND 14 SMALL STRAIGHT-WING-TYPES, ARE PRESENT AT THE  
AIRFIELD.

IN THE SSM FACILITIES, LAUNCH COMPLEX H HAS BEEN  
NEWLY IDENTIFIED 2.5 NM NNE OF LAUNCH COMPLEX E  
(SITE 3). STILL UNDER CONSTRUCTION, IT CONSISTS OF A  
735-BY 620-FT FENCED, ROAD-SERVED LAUNCH AREA  
WITH 2 SOFT, ROAD-SERVED LAUNCH PADS AND A PROBABLE  
CONTROL BUNKER. THESE PADS HAVE AN APPROXIMATELY  
495-FT SEPARATION AND AN APPROXIMATE AZIMUTH [REDACTED]

25X1

25X1

25X1

[REDACTED] ONE OF THE PADS HAS BEEN NEWLY CONSTRUCTED  
[REDACTED] WHILE THE OTHER PAD WAS IN  
THE EARLY STAGES OF CONSTRUCTION [REDACTED]  
THE PROBABLE CONTROL BUNKER WAS INITIALLY OBSERVED  
UNDER CONSTRUCTION [REDACTED]

25X1

25X1

NO APPARENT CHANGE [REDACTED] IN  
LAUNCH COMPLEXES E, A, AND B, AND THE TROOP TRAINING  
AND SUPPORT AREA. NO APPARENT CHANGE [REDACTED]

25X1

25X1

[REDACTED] IN THE PROBABLE MISSILE ASSEMBLY  
AND CHECKOUT AREA, AND THE UNIDENTIFIED INSTALLATION  
NORTH OF LAUNCH COMPLEX C (SITES 2, 4-9). NO APPARENT  
CHANGE [REDACTED] IN THE COMPLEX C  
SUPPORT FACILITIES, LAUNCH COMPLEXES D (SITE 1) AND  
G, THE 2 TRACKING SITES WEST OF G, THE MISSILE STORAGE  
AND HANDLING AREA, AND THE LAUNCH COMPLEX D FINAL  
ASSEMBLY AND CHECKOUT AREA.

25X1

25X1

25X1

TOP SECRET

TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

ACTIVITY IS NOTED IN LAUNCH AREAS 1C (SITE 7), 3C (SITE 5), 4C (SITE 4), AND 5C (SITE 2). THE 2 RAIL-SERVED PADS AT LAUNCH AREA 1C BOTH HAVE UNIDENTIFIED PIECES OF EQUIPMENT PRESENT. THE PAD AT LAUNCH AREA 3C IS OCCUPIED BY UNIDENTIFIED EQUIPMENT/VEHICLES AS IS THE SOUTHWESTERN DUMBBELL. SEVERAL VEHICLES ARE ALSO NOTED JUST OUTSIDE THE AREA. SOME ACTIVITY IS ALSO NOTED IN LAUNCH SITE 4C-1 WHERE THE NORTHEASTERN SILO IS OPEN. AN UNIDENTIFIED OBJECT IS ON THE SOUTHERN PAD IN LAUNCH SITE 5C-1.

SEE [REDACTED] VLADIMIROVKA FLIGHT TEST CENTER, FOR A REPORT ON AIRCRAFT AND ACTIVITY AT THAT AIRFIELD.

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON

PROBABLE LAUNCH AREA NW OF SAM R & D AREA  
UNIDENTIFIED CONSTRUCTION ACTIVITY

ALL FACILITIES AT THE TEST CENTER ARE COVERED BY GENERALLY GOOD QUALITY STEREO PHOTOGRAPHY EXCEPT SITE 13, POSSIBLE INSTRUMENTATION SITES 14, 15, AN UNIDENTIFIED FACILITY BETWEEN THEM, AND THE POSSIBLE FIELD LAUNCH POINT. DETAILED INTERPRETATION IS SOMETIMES LIMITED BY GROUND SNOW COVER.

LAUNCH COMPLEX A (SITE 2B30) -- NO DISCERNIBLE

TOP SECRET

25X1

TOP SECRET

25X1

25X1

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

CHANGE IN THE SUPPORT AREA. LAUNCH SITE 1 IS MORE ACTIVE THAN LAUNCH SITE 2 WITH NO SNOW CLEARANCE APPARENT AT EITHER SITE. SNOW HAS BEEN CLEARED AT ELECTRONIC SITES A AND B AND AT LAUNCH SITE 4. ALL OF THE ORIGINAL POSITIONS AT LAUNCH SITES 3 AND 4 ARE OCCUPIED BY EQUIPMENT. THE 50-BY 20-FT OBJECTS REMAIN AT SITE 3. THE NEW-TYPE REVETTED POSITION AT SITE 3 APPEARS ESSENTIALLY AS

25X1

EXCEPT THAT IT IS NOW APPARENT THAT THE LOOP ROAD ENTERS THE POSITION AND A SMALL CIRCULAR DARK PATTERN, LARGER THAN PREVIOUSLY OBSERVED, IS NOW APPARENT AT THE EASTERN END. THE OTHER NEW-TYPE POSITION AT SITE 3 HAS NOT BEEN REVETTED. A DARK PATTERN IS DISCERNIBLE AT EACH END OF THE POSITION WITH A PROBABLE OBJECT POSITIONED AT THE EASTERN END. A SHORT ROAD SPUR HAS BEEN CONSTRUCTED MIDWAY ALONG THE ROAD BETWEEN SITES 3 AND 4. WHAT PREVIOUSLY APPEARED TO BE AN EARTHEN WALL SW OF SITE 4 HAS BEEN LEVELLED. CONSIDERABLE ACTIVITY IS OBSERVED AT LAUNCH SITE 5. THREE SHALLOW UNIDENTIFIED CIRCULAR EXCAVATIONS,

25X1

APPROXIMATELY CAN NOW BE IDENTIFIED IN THE SNOW AT LAUNCH SITE 6 -- ONE JUST SW OF THE CURVED BUILDING AND 2 MIDWAY BETWEEN THE EASTERN SITE BOUNDARY AND CENTRAL ROAD. ALTHOUGH PRESENT AT LEAST AS EARLY THEY WERE NOT IDENTIFIABLE. THE AIRSTRIP AT LAUNCH SITE 8 NOW TOTALS 6,600 FT. NO SIGNIFICANT CHANGE IS OBSERVED AT ELECTRONIC SITE C.

25X1

LAUNCH COMPLEX B (SITE 1B14) -- FACILITIES A, B, AND THE BUILDING TRIAD SHOW EVIDENCE OF ACTIVITY. AT FACILITY A, SNOW CLEARANCE IS EVIDENT. AN ENVIRONMENTAL SHELTER IS NOW IN PLACE ON THE ROOF OF THE NORTHERN OF THE 2 SMALL TRIAD BUILDINGS. ON THE ROOF OF THE SOUTHERN SMALL TRIAD BUILDING A PROBABLE ENVIRONMENTAL SHELTER EXCEPT FOR THE SMALL CENTER CAP WHICH APPEARS TO BE ON THE GROUND ADJACENT HAS BEEN EMPLACED. THE 2 CONCENTRIC RINGS OBSERVED ARE NOW

25X1

TOP SECRET

25X1

TOP SECRET

25X1

25X1

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

SITUATED AT THE NW CORNER OF THE LARGE TRIAD BUILDING. NO CHANGE IN THE APPROXIMATELY DISH ANTENNA, INSTRUMENTATION SITE B-1, OR THE ASSEMBLY AND CHECKOUT FACILITY.

25X1

AT INSTRUMENTATION SITES 2 AND 10 OBJECTS ARE BARELY DISCERNIBLE ON THE DARK-TONED ROOFS OF THE 3 TRIAD BUILDINGS. AT INSTRUMENTATION SITE 1, THE OBJECTS ON THE ROOF OF THE TWO 90-BY 60-FT BUILDINGS OF THE WESTERN TRACKING STATION ARE BARELY DISCERNIBLE. A TOWER-MOUNTED PROBABLE DISH IS MOUNTED ON THE ROOFS OF THE TWO 90-BY 80-FT BUILDINGS OF THE EASTERN TRACKING STATION. EXTENSION OF THE INTERFEROMETER CROSSARMS AT SITE 12 APPEARS COMPLETE. ELECTRICAL ELEMENTS ARE DISCERNIBLE.

AT THE LONG DIRT STRIP, THE POSITION OF THE EQUIPMENT HAS SHIFTED IN THE SUPPORT AREA AND TRACKAGE IS OBSERVED IN THE SNOW. END AND CENTER STRIP MARKERS ARE VISIBLE TO A LENGTH OF APPROXIMATELY 10,500 FT. A STRIP OF APPROXIMATELY 11,500 BY 560 FT HAS BEEN CLEARED OF SNOW. THE NEW AIR STRIP AT 45-36N 073-20E IS UNCHANGED THE ROAD UNDER CONSTRUCTION GENERALLY SW FROM INSTRUMENTATION SITE 2 HAS NOT BEEN EXTENDED BUT HAS BEEN SURFACED ALONG ITS ENTIRE LENGTH. NEAR THE EASTERN POINT OF ORIGIN OF THE ROAD IS A SMALL UNIDENTIFIED FACILITY UNDER CONSTRUCTION CONTAINING 6 BUILDINGS. NO CHANGE IS APPARENT AT INSTRUMENTATION SITES 3, 4, 5, 7, AND 11, THE HENHOUSE ANTENNA OR THE SAM TRAINING CENTER OR AT THE HEN ROOST ANTENNAS, THE PRIMARY AIRFIELD, AND MAIN HOUSING COMPLEX

25X1

25X1

25X1

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS

TOP SECRET

25X1

TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

25X1

25X1

MAKAT FIELD LAUNCH POINT (MRBM) UR 4758N 05342E

25X1

NO APPARENT CHANGE

25X1

VEHICLES ARE DISCERNIBLE IN THE SUPPORT AREA AND ON THE 2 ROADS APPROACHING THE LAUNCH POINT FROM THE EAST. NO ACTIVITY OBSERVED AT THE LAUNCH POINT OR ON THE AIRFIELD.

25X1

25X1

SHUANG-CHENG-TZU MISSILE TEST CENTER CH 4107N 10020E

THE ENTIRE SHUANG-CHENG-TZU MISSILE TEST CENTER WITH THE EXCEPTION OF SHUANG-CHENG-TZU AIRFIELD IS COVERED BY CLEAR PHOTOGRAPHY.

25X1

NO CHANGE IS APPARENT IN THE SSM FACILITIES, SAM LAUNCH FACILITIES, OPERATION SUPPORT FACILITIES, THE MAIN SUPPORT BASE, OR THE DESERT RAIL TERMINUS

25X1

AT LEAST 8 VEHICLES/PIECES OF EQUIPMENT INCLUDING THE PROBABLE GUIDANCE RADAR REMAIN AT SAM LAUNCH SITE  
A NO OTHER ACTIVITY IS APPARENT.

25X1

25X1

KOKCHETAV SUSPECT SSM AREA UR 5317N 06930E

NO SSM ACTIVITY OBSERVED WITHIN A 50-NM RADIUS OF KOKCHETAV. SCATTERED CLOUDS, SNOW,

2

TOP SECRET

25X1

TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

25X1

AND HAZE LIMIT SEARCH.

25X1

25X1

SRETENSK SUSPECT SSM AREA UR 5213N 11743E

ENTIRE AREA COVERED BY GOOD QUALITY, CLOUD-FREE  
PHOTOGRAPHY WITH SNOW COVER.

NO SSM ACTIVITY OBSERVED WITHIN A 50-NM RADIUS  
OF SRETENSK.

25X1

BONUS 1 TATISHCHEVO ICBM COMPLEX UR 5140N 04536E

THIS ICBM COMPLEX IS NEWLY IDENTIFIED ON THE  
NORTH SIDE OF TATISHCHEVO AT 51-40N 045-36E. THE  
LAYOUT OF THE SITES AT THE COMPLEX AND THE SILO  
CONSTRUCTION TECHNIQUE IS SIMILAR TO THAT OBSERVED  
AT LAUNCH GROUP D AT THE OLOVYANNAYA ICBM COMPLEX.  
THE COMPLEX CONSISTS OF A COMPLEX SUPPORT  
FACILITY, A RAIL-TO-ROAD TRANSFER POINT AND A  
GENERALLY CIRCULAR LAUNCH GROUP OF 9 CONFIRMED SINGLE  
SILO LAUNCH SITES DESIGNATED LAUNCH GROUP A,  
SITES A1 THROUGH A9. THERE WAS NO EVIDENCE OF  
CONSTRUCTION OF THESE SITES

25X1

7 OF THE 9 SITES WERE UNDER  
CONSTRUCTION.

25X1

SITE A1 IS THE MOST ADVANCED AND CONSISTS OF A  
LOOP ROAD WITH A SILO AT THE JUNCTION OF A  
HARDSTAND AND THE LOOP ROAD. A STRUCTURE IS IN  
AN EXCAVATION NEARBY.

25X1

SITE A1 IS ALSO IN THE APPROXIMATE  
CENTER OF THE LAUNCH GROUP AND CABLE SCARS ARE  
OBSERVED RADIATING TO OTHER SITES. SITE A5 ALSO HAS A  
LOOP ROAD. THE REMAINING 7 LAUNCH SITES CONSIST  
OF A SINGLE CYLINDRICAL SILO IN A SHALLOW EXCAVATION  
IN THE MID STAGES OF CONSTRUCTION.

THE ABANDONED IRBM SITE AT BOLSHAYA KAMENKA IS  
ADJACENT TO LAUNCH SITE A5 ON THE SOUTHERN BOUNDARY OF

TOP SECRET

25X1

TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

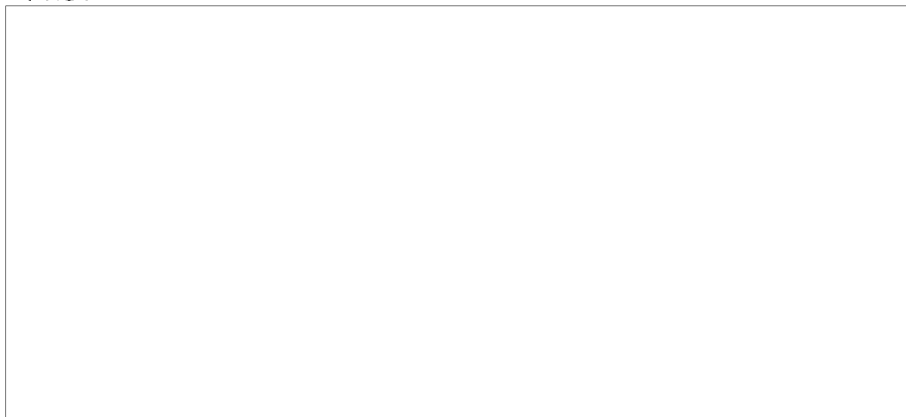
25X1

## THE RING OF LAUNCH SITES.

A TRAIN IS OBSERVED AT THE RAIL-ROAD-TRANSFER POINT WHICH CONSISTS OF SEVERAL BUILDINGS, THREE RAIL SPURS, AND SEVERAL STRUCTURES IN AN EXCAVATION.

THERE ARE SEVERAL OTHER AREAS OF SUSPECT ACTIVITY IN THE VICINITY THAT ARE UNDER FURTHER STUDY.

## PHOTO REFERENCES FOR SIGNIFICANT ITEMS --



25X1

BONUS 2 AL ISMAILIYAH SAM SITE B01-2 EG 3046N 03218E

A COMPLETED SA-2 SAM SITE IS NEWLY IDENTIFIED 11 NM NORTH OF AL ISMAILIYAH AT 30-46-20N 032-18-00E. THE CENTRAL GUIDANCE AREA AND THE LAUNCH POSITIONS ARE ALL PROBABLY OCCUPIED. THE SITE IS LOCATED IMMEDIATELY WEST OF A MILITARY INSTALLATION.

(ATTACHMENT 22)



25X1

BONUS 3 AL ISMAILIYAH SAM SITE B19-2 EG 3023N 03215E

A COMPLETED SA-2 SAM SITE IS NEWLY IDENTIFIED 12 NM SOUTH OF AL ISMAILIYAH AT 30-23-20N 032-15-30E.

2

TOP SECRET

25X1



TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

THE CENTRAL GUIDANCE AREA AND ALL 6 LAUNCH POSITIONS  
ARE OCCUPIED. A SITE SUPPORT IS LOCATED  
APPROXIMATELY 1,000 FT WEST OF THE SAM SITE.

(ATTACHMENT 23)

BONUS 4 AS SUWAYS SAM SITE B06-2 EG 3004N 03244E

A COMPLETED, UNOCCUPIED SA-2 SAM SITE WITH FAN  
CONFIGURATION IS NEWLY IDENTIFIED 11.5 NM NE OF  
AS SUWAYS AT 30-04-10N 032-44-20E. NO SITE SUPPORT  
OBSERVED.

(ATTACHMENT 24)

TOP SECRET

25X1

**Air  
Facilities**

TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

25X1

AIR FACILITIES

25X1

VLADIMIROVKA FLIGHT TEST CENTER UR 4818N 04611E

A CLEARED STRIP APPROXIMATELY 11,500 FT LONG HAS BEEN ADDED IMMEDIATELY NORTH OF THE 13,350-FT RUNWAY 2.5 NM ENE OF THE ORIGINAL AIRFIELD

25X1

AIRCRAFT AT AKHTUBINSK AIRFIELD — 3 POSSIBLE BLINDER, 1 PROBABLE BEAR/BISON, 24 PROBABLE BADGER, AN UNDETERMINED NUMBER OF SMALL PROBABLE AIRCRAFT ALONG LOOP TAXIWAY, AND 2 MEDIUM STRAIGHT-WING AND 8 SMALL PROBABLE AIRCRAFT IN AIRBORNE WEAPONS COMPLEX.

(ATTACHMENT 25)

25X1

TOP SECRET

25X1

**Page Denied**

Next 4 Page(s) In Document Denied

## **Military Activity**

TOP SECRET

25X1

25X1

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

MILITARY ACTIVITY

25X1

PAI-CHENG WEAPONS TEST RANGE CH 4543N 12239E

A TEST PATTERN OF 3 CONCENTRIC CIRCLES IS OBSERVED JUST SOUTH OF FIRING COMPLEX 1, PAI-CHENG WEAPONS TEST RANGE. THE PATTERN CONSISTS OF AN INNER CIRCLE 325 FEET (100 METERS) IN DIAMETER AROUND WHICH THERE IS A SERIES OF DOTS SUGGESTING INSTRUMENTATION POINTS. A SECOND PARTIAL CIRCLE, HAS A RADIUS OF 650 FEET (200 METERS) AND A THIRD PARTIAL CIRCLE A RADIUS OF 1,660 FEET (APPROXIMATELY 500 METERS). THE VEGETATION WITHIN THE TEST PATTERN IS DARK-TONED CONTRASTING WITH A LIGHTER TONE IN THE SURROUNDING AREA, SUGGESTING THAT THIS IS AN EXCLUSION AREA. THIS CIRCULAR TEST PATTERN IS SIMILAR IN MANY RESPECTS TO THE CIRCULAR GRID AT THE CENTRAL CHEMICAL PROVING GROUND AT VOLSK, USSR. THERE ARE ALSO THREE BAFFLE GRIDS AT PAI-CHENG, ONE AT RANGE A IN FIRING COMPLEX 1, AND 2 AT THE UNIDENTIFIED FACILITY NW OF THE MAIN TEST RANGE. THE GRIDS ARE SIMILAR TO THE BAFFLE GRIDS AT VOLSK, CHAPAYEVSK, AND PAVLOGRAD IN THE USSR AND TO CAMP HUCKSTEP, EGYPT. NO OTHER SIGNIFICANT CHANGES OBSERVED AT THE TEST RANGE.

25X1

(ATTACHMENTS 27 &amp; 28)

25X1

TOP SECRET

25X1

## **Index**

TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

INDEX OF COMOR TARGETS

THIS SECTION CONTAINS A COMPOSITE LIST BY TARGET NUMBER OF ALL COMOR TARGETS OBSERVED DURING THE SCAN OF MISSION 1015-2. THE ROMAN NUMERAL UNDER THE OAK COLUMN INDICATES THE PART OF OAK 1015-2 IN WHICH THE TARGET WAS REPORTED.

COMOR	INSTALLATION NAME	CTY	COORDINATES	OAK
	VERKHNYAYA SALDA ICBM COMPLEX	UR	5802N 06023E	I
	DROVYANAYA ICBM COMPLEX	UR	5131N 11300E	I
	ITATKA ICBM COMPLEX	UR	5650N 08536E	I
	SHADRINSK ICBM COMPLEX	UR	5608N 06340E	II
	TYUMEN ICBM COMPLEX	UR	5652N 06553E	II
	UZHUR ICBM COMPLEX	UR	5517N 08949E	I
	OLOVYANNAYA ICBM COMPLEX	UR	5049N 11550E	II
	KARA-BABAU IRBM LAUNCH SITE 2	UR	4431N 07758E	II
	SKRUNDA IRBM LAUNCH SITE	UR	5635N 02149E	I
	VAINODE IRBM LAUNCH SITE	UR	5628N 02150E	I
	KARA-BABAU IRBM LAUNCH SITE 3	UR	4431N 07743E	II
	SOVETSKAYA GAVAN MRBM LAUNCH FACILITY	UR	4904N 14007E	I
	BOLSHAYA KAMENKA IRBM LAUNCH SITE	UR	5145N 04541E	II
	KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR	UR	4835N 04545E	II
	SARY-SHAGAN ANTIMISSILE TEST CENTER	UR	4602N 07334E	II
	MAKAT FIELD LAUNCH POINT (MRBM)	UR	4758N 05342E	II
	SHUANG-CHENG-TZU MISSILE TEST CENTER	CH	4107N 10020E	II
	SARATOV AIRFRAME PLANT 292	UR	5130N 04557E	I
	VERKHNYAYA SALDA STATIC TEST FACILITY	UR	5810N 06057E	I
	KOKCHETAV SUSPECT SSM AREA	UR	5317N 06930E	II
	SRETENSK SUSPECT SSM AREA	UR	5213N 11743E	II
	KOMSOMOLSK SHIPYARD AMUR 199	UR	5033N 13702E	I
	BALTIYSK NAVAL BASE	UR	5439N 01955E	I
	KALININGRAD SUSP NAVAL MISSILE STORAGE	UR	5450N 02028E	I
	SOVETSKAYA GAVAN NVL BASE & SHIPYARD 263	UR	4858N 14017E	I
	SOVETSKAYA GAVAN SUBMARINE BASE	UR	4902N 14016E	I
	ANTIPINSKOYE SAM ACTIVITY	UR	5254N 11332E	I
	AS SUWAYS SAM SITE B15-2	EG	2948N 03242E	I
	BUR SAID SUSPECT SAM AREA	EG	3116N 03218E	I
	DUMYAT SUSPECT SAM AREA	EG	3125N 03148E	I
	AS SUWAYS SAM SITE B22-2	EG	2943N 03220E	I
	ENGELS AIRFIELD	UR	5129N 04611E	I
	BORZYA AIRFIELD NORTHWEST	UR	5024N 11623E	I
	KALININGRAD/PROVEREN AIRFIELD	UR	5446N 02025E	I
	ZHITOMIR/SKOMOROKHI AIRFIELD	UR	5010N 02844E	I

3

TOP SECRET

25X1



25X1

TOP SECRET

25X1

MISSION 1015-2, 25, 26-30 DECEMBER 1964

25X1

ALEKSEYEVKA AIRFIELD  
VLADIMIROVKA FLIGHT TEST CENTER

UR 4915N 14014E I  
UR 4818N 04611E II

25X2

BALAKLAVA SUBMARINE BASE	UR 4430N 03336E	I
LIEPAJA NAVAL BASE AND SHIPYARD	UR 5633N 02102E	I
SEVASTOPOL NVL BASE SHPYD SEVMORZAVOD 497	UR 4436N 03332E	I
PAI-CHENG WEAPONS TEST RANGE	CH 4543N 12239E	II
LAO-PO SHAN SPECIAL AREA	CH 4556N 12045E	I

3

TOP SECRET

25X1

## **Attachments**

TOP SECRET

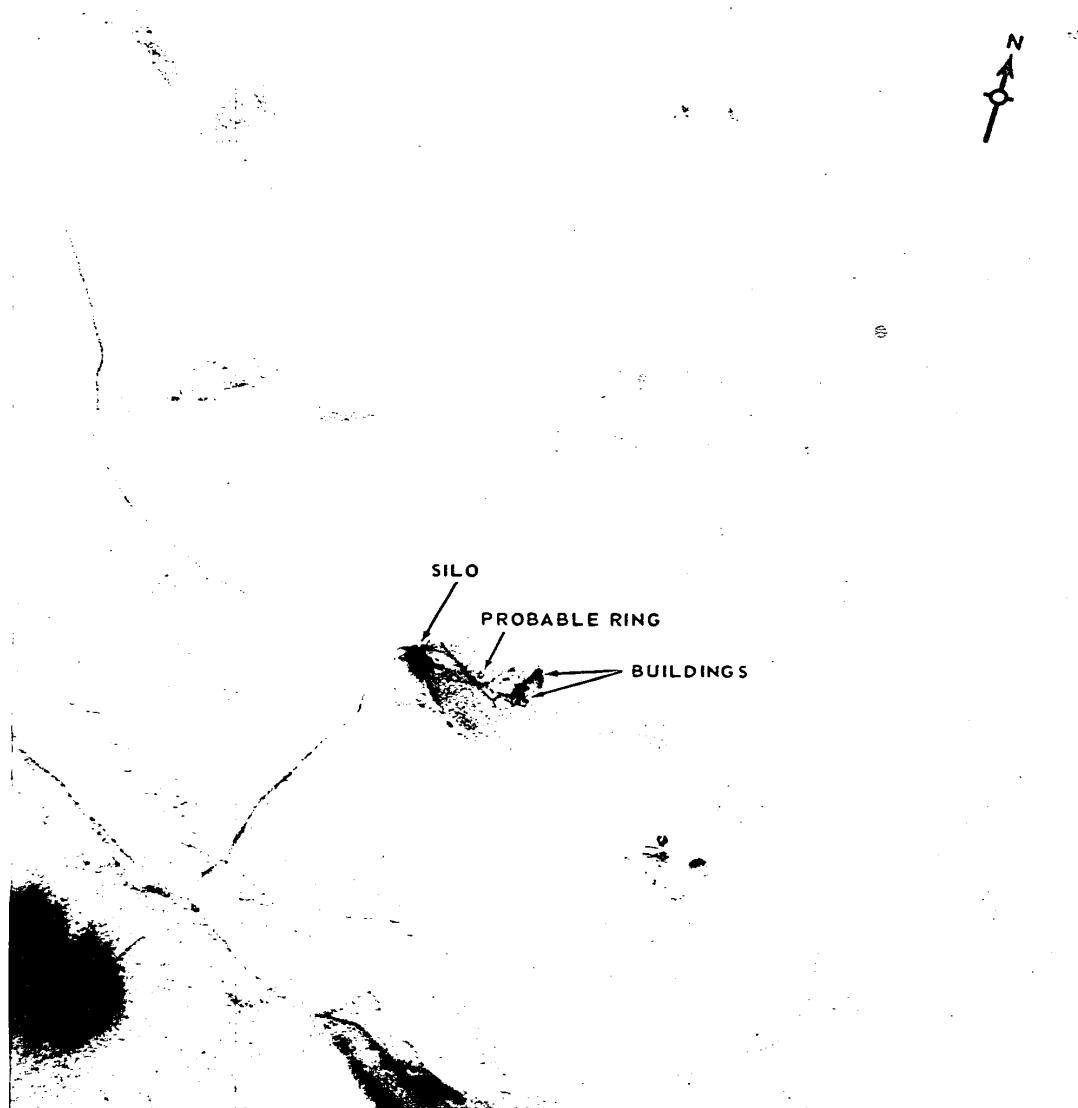
MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

25X1

ATTACHMENT 1



LAUNCH SITE D13, OLOVYANNAYA ICBM COMPLEX, USSR

NPIC J-7009 (1/65)

25X1

TOP SECRET

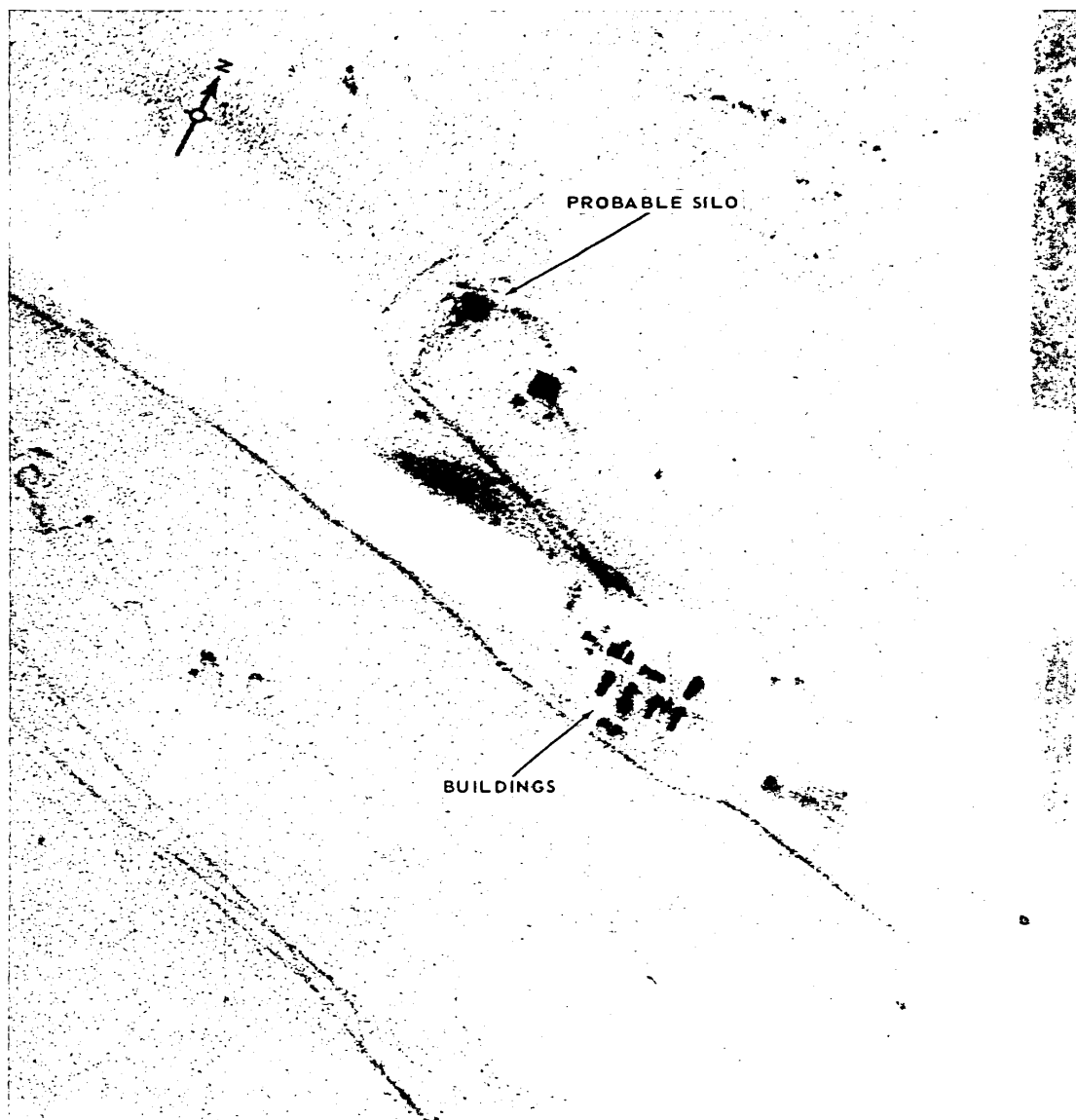
TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

ATTACHMENT 2



PROBABLE LAUNCH SITE D14, OLOVYANNAYA ICBM COMPLEX, USSR

NPIC J-7010 (1/65)

TOP SECRET

25X1

TOP SECRET

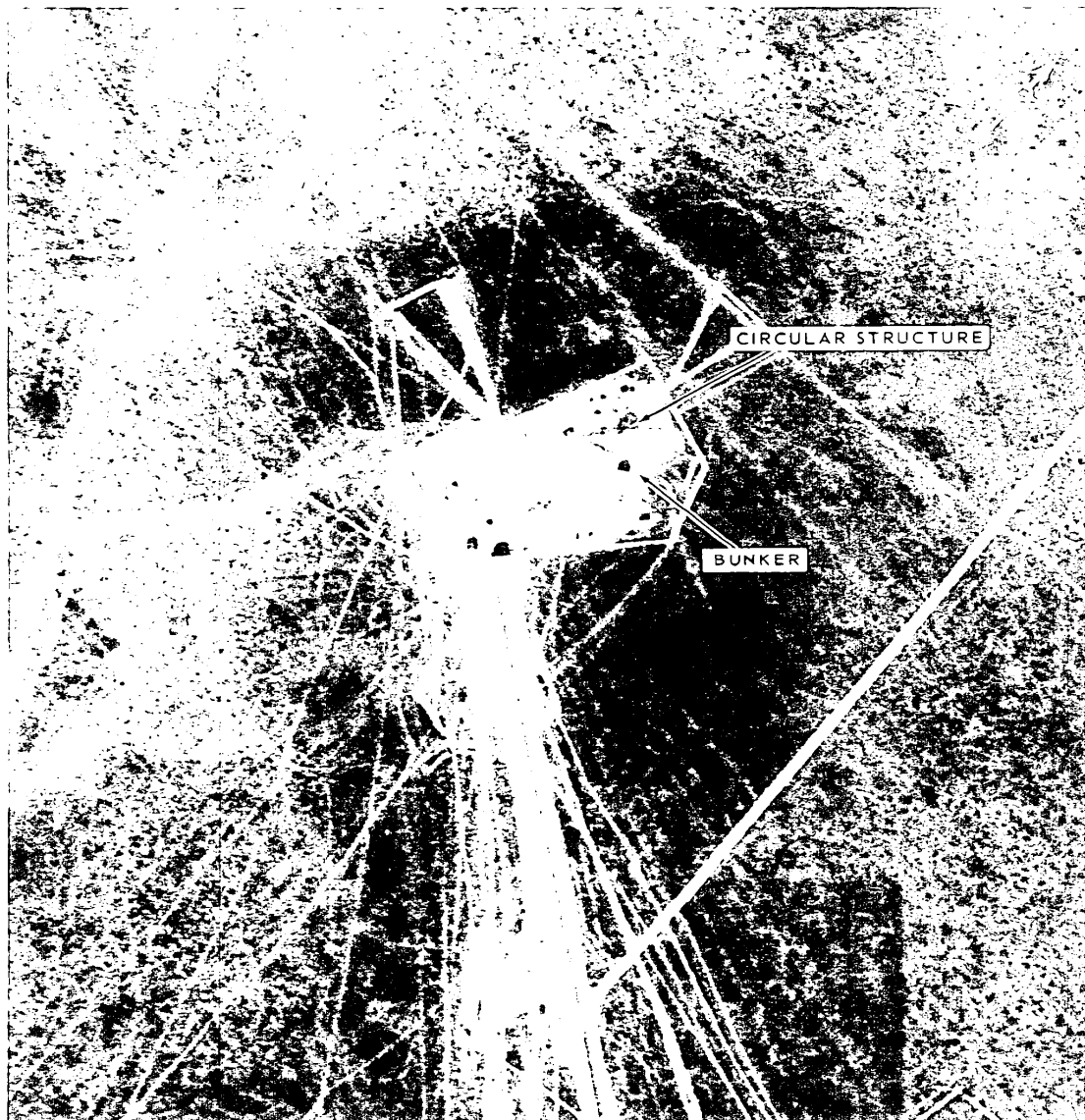
MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

25X1

ATTACHMENT 3



PROBABLE LAUNCH AREA, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

NPIC J-7014 (1, 65)

TOP SECRET

25X1

TOP SECRET

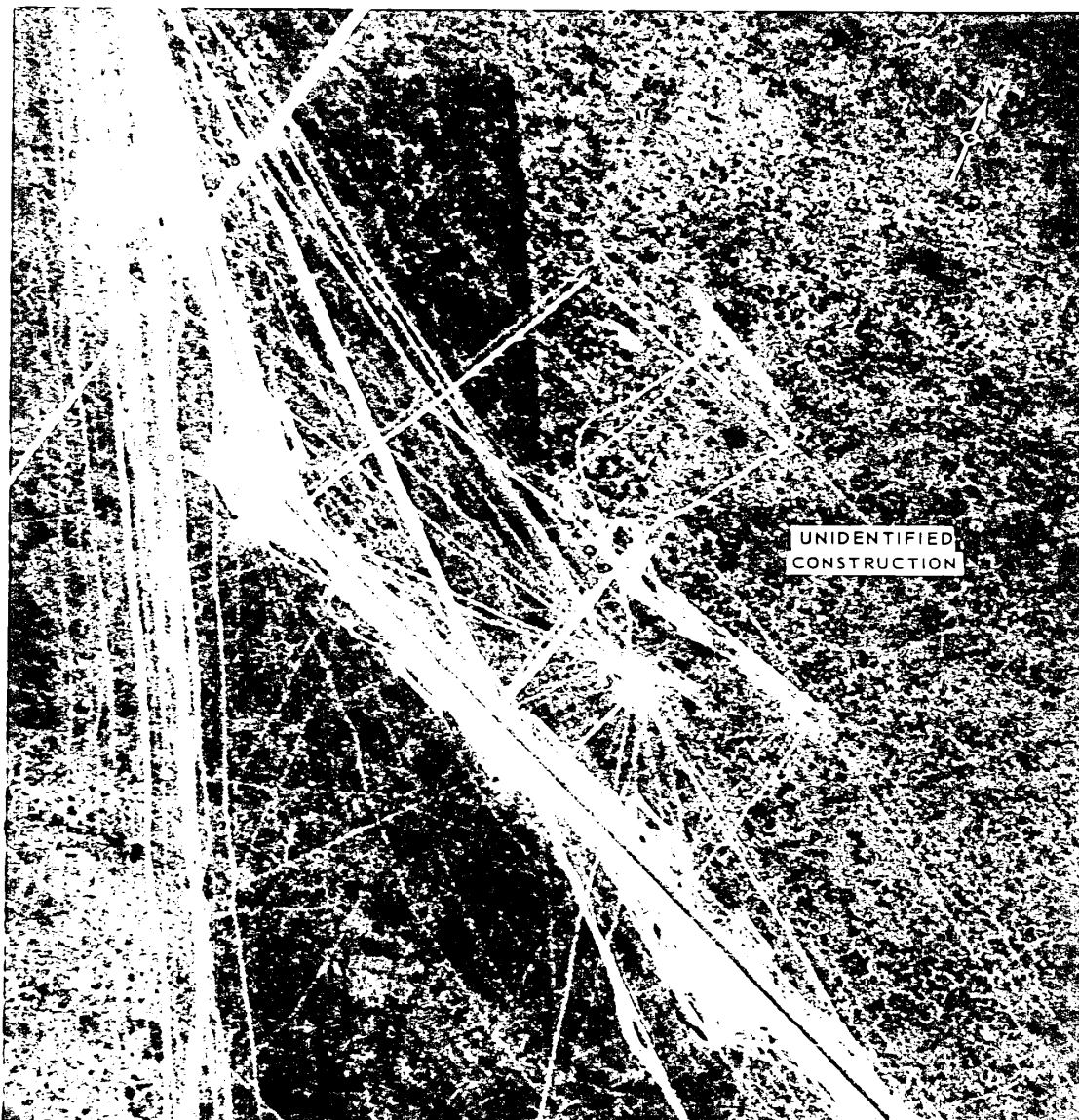
MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

25X1

ATTACHMENT 4



UNIDENTIFIED CONSTRUCTION ACTIVITY, KAPUSTIN YAR, VLADIMIROVKA MISSILE TEST CENTER, USSR

NPIC J-7016 (1, 65)

TOP SECRET

25X1

TOP SECRET

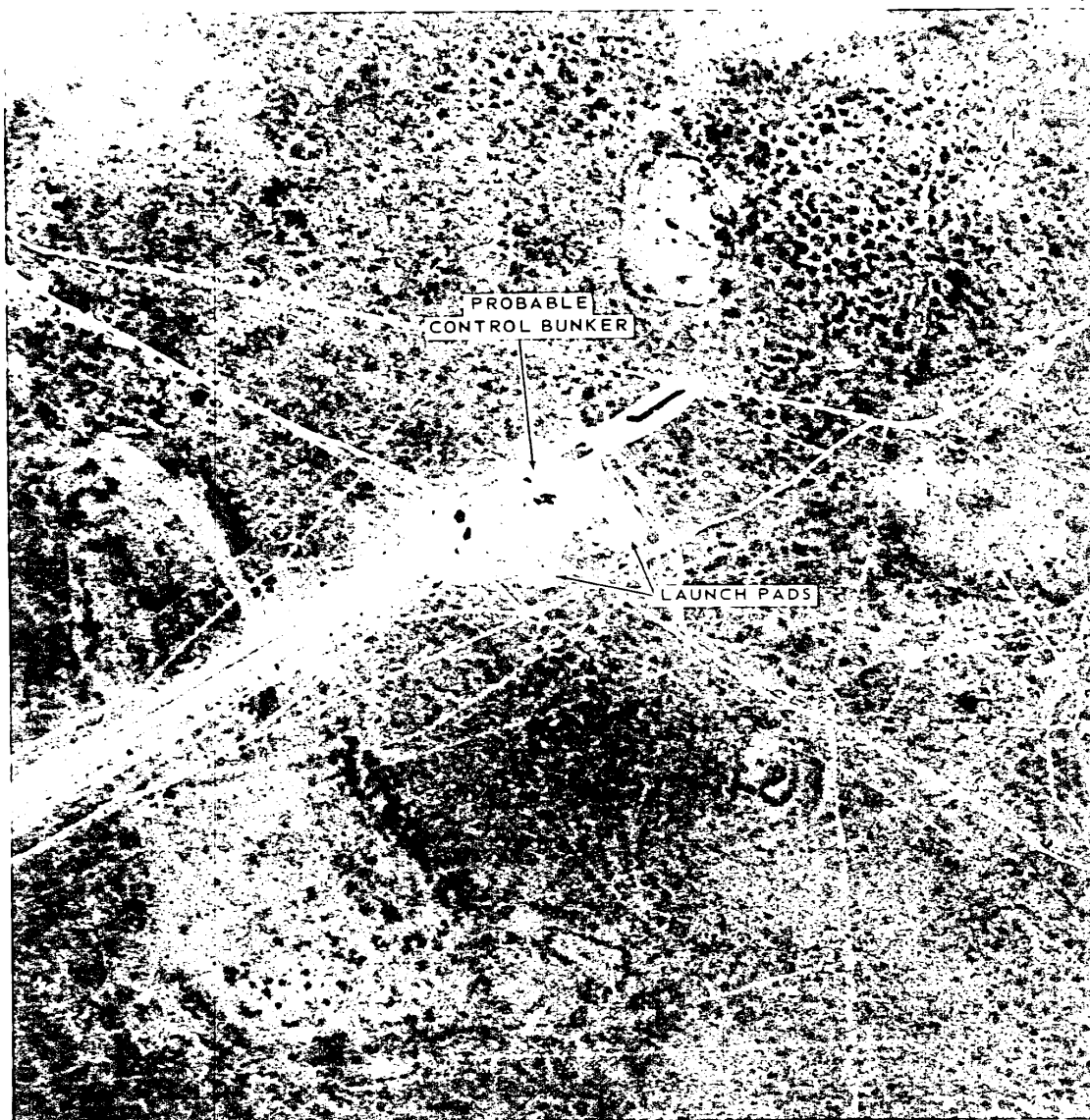
25X1

25X1

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

ATTACHMENT 5



LAUNCH COMPLEX H, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

NPIC J-7013 (1/65)

TOP SECRET

25X1

25X1

TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

ATTACHMENT 6



LAUNCH AREA 1C, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

NPIC J-7011 (1/65)

TOP SECRET

25X1



25X1

TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

ATTACHMENT 7

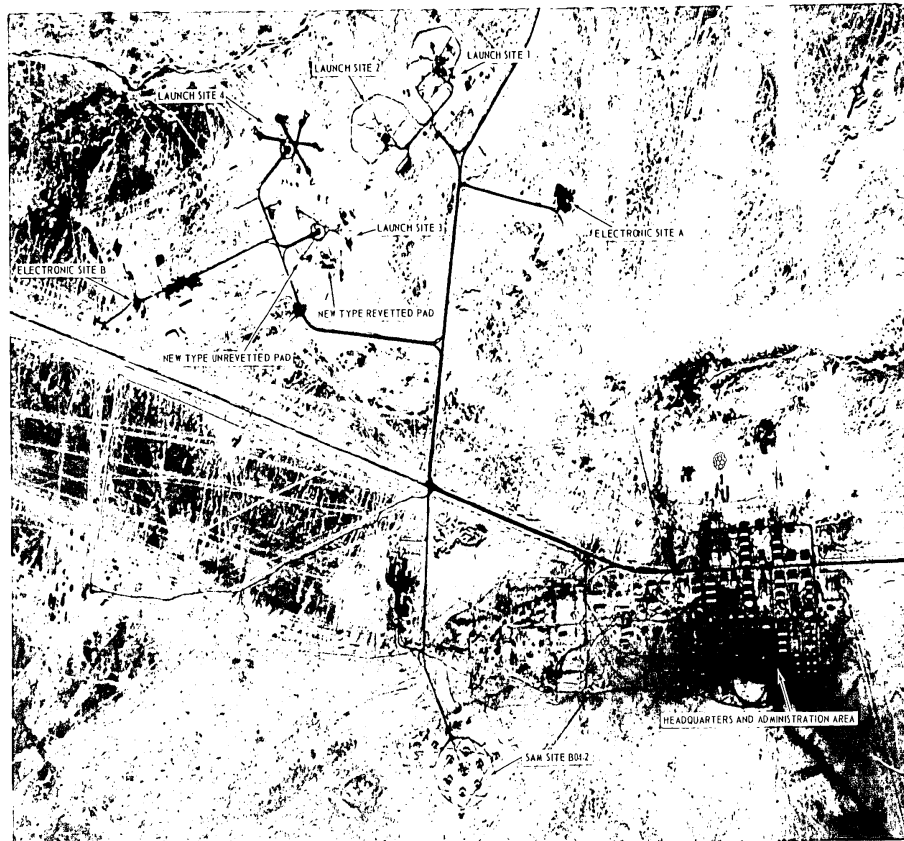


LAUNCH AREA 3C, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR NPIC J-7012 (11/65)

25X1

TOP SECRET

25X1



LAUNCH COMPLEX A, SARY SHAGAN ANTIMISSILE TEST CENTER, USSR

NPIC J-7017 (11/00)

TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

ATTACHMENT 8

25X1

TOP SECRET

25X1

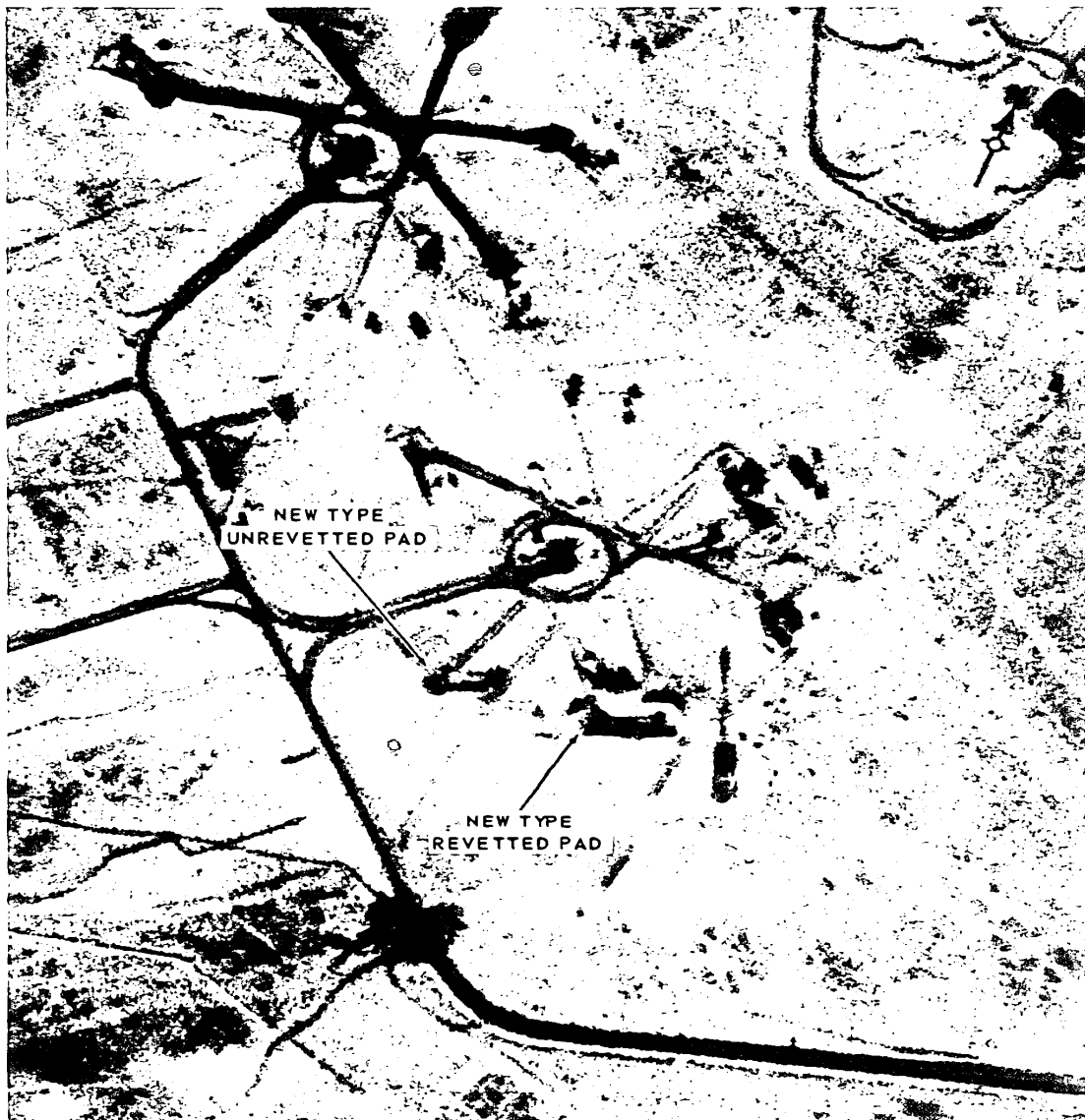
TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

ATTACHMENT 9



LAUNCH SITE 3, LAUNCH COMPLEX A, SARY SHAGAN ANTIMISSILE TEST CENTER, USSR

NPIC J-7010 (1/65)

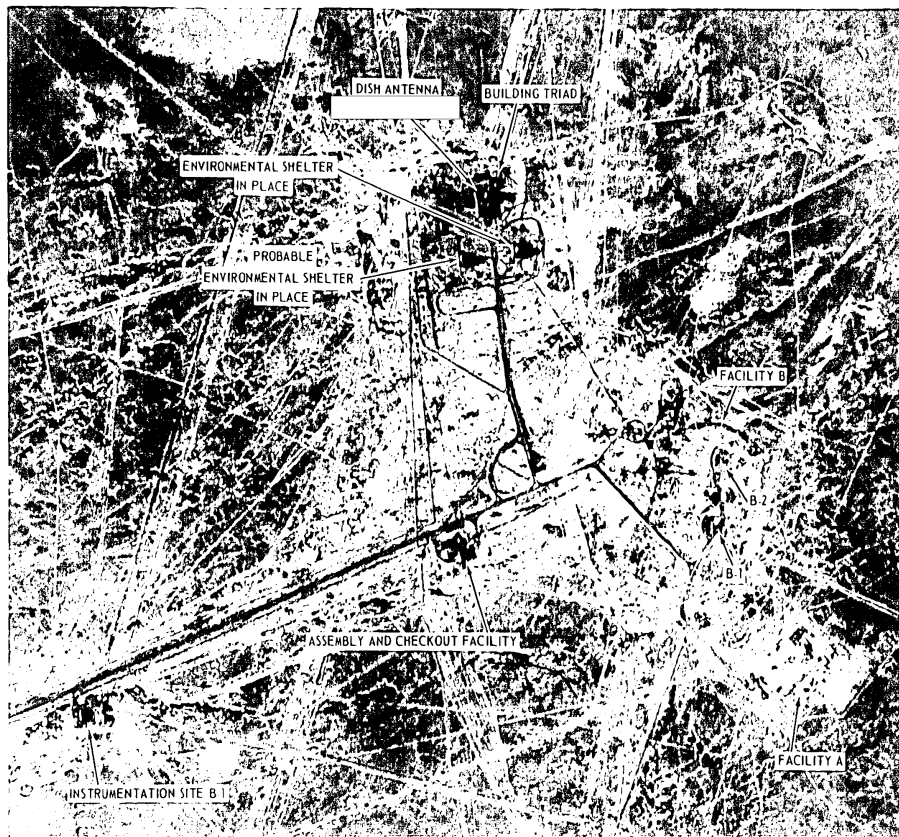
TOP SECRET

25X1

25X1

25X1

TOP SECRET



NPIC J-7018 (1/66)

LAUNCH COMPLEX B, SARY SHAGAN ANTIMISSILE TEST CENTER, USSR

TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

ATTACHMENT 10

25X1

25X1

25X1

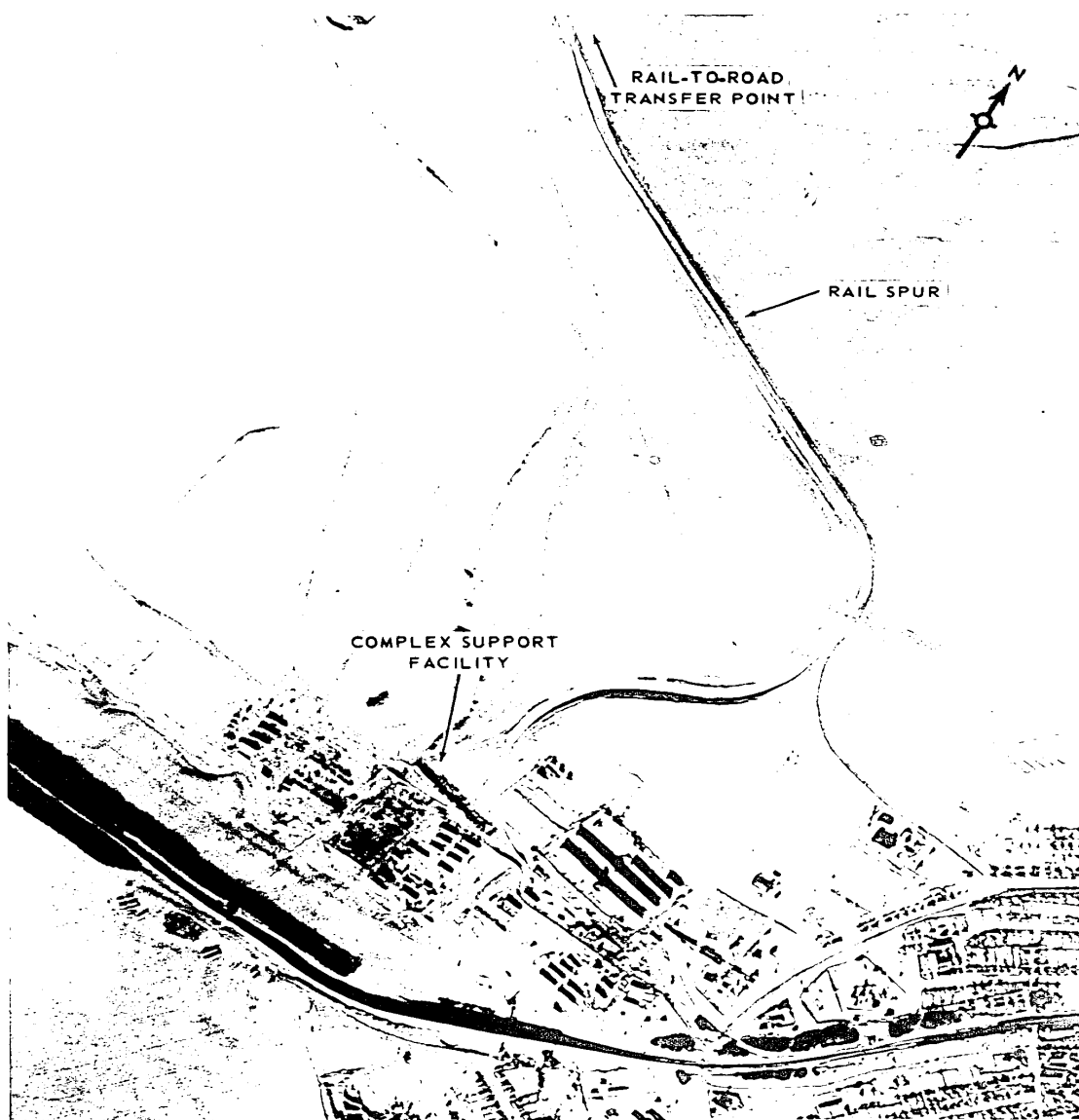
TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

ATTACHMENT 11



COMPLEX SUPPORT FACILITY, TATISHCHEVO ICBM COMPLEX, USSR

NPIC J-7063 (1/65)

TOP SECRET

25X1

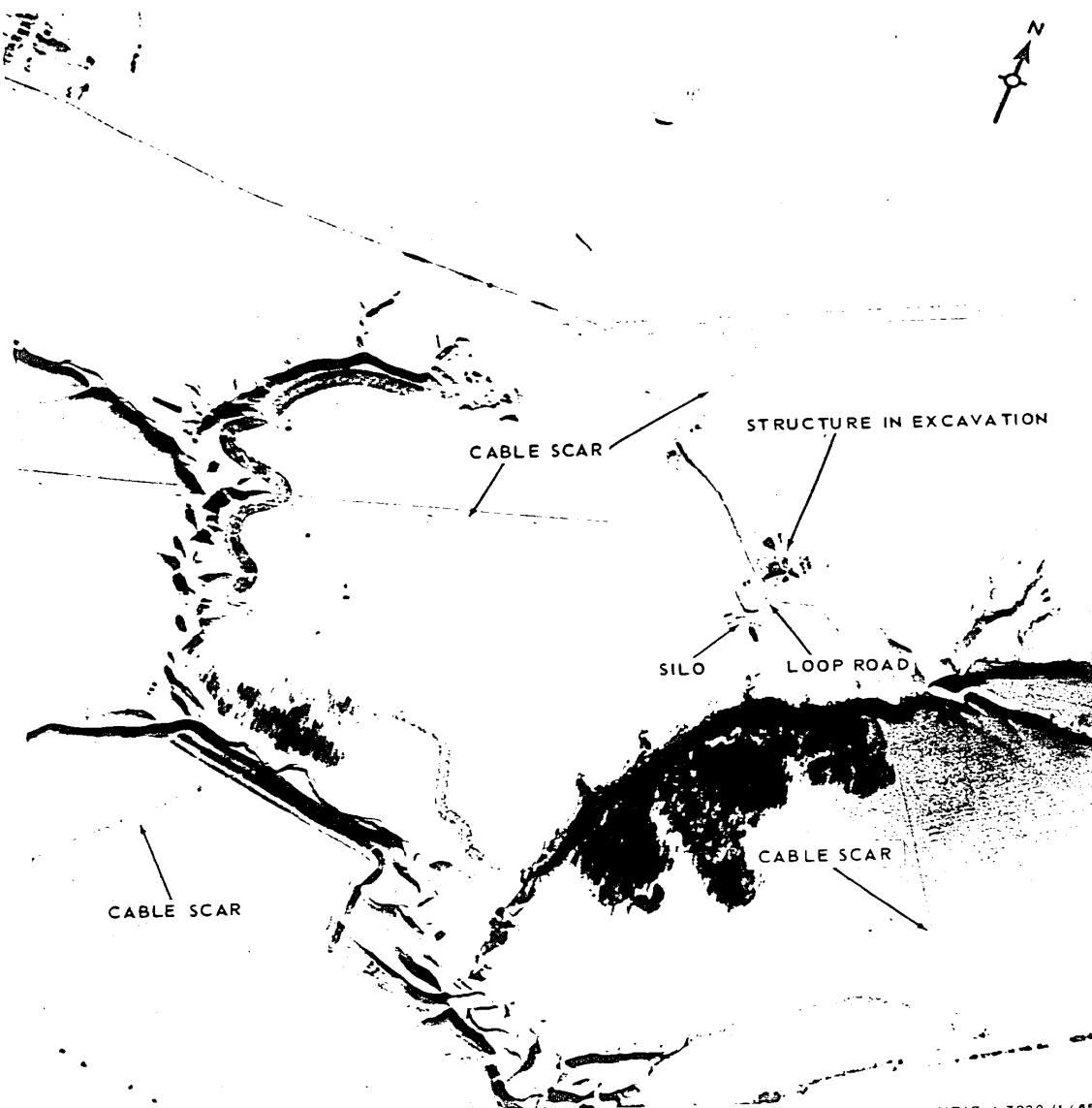
TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

ATTACHMENT 12



LAUNCH SITE A1, TATISHCHEVO ICBM COMPLEX, USSR

NPIC J-7020 (1/65)

TOP SECRET

25X1

25X1

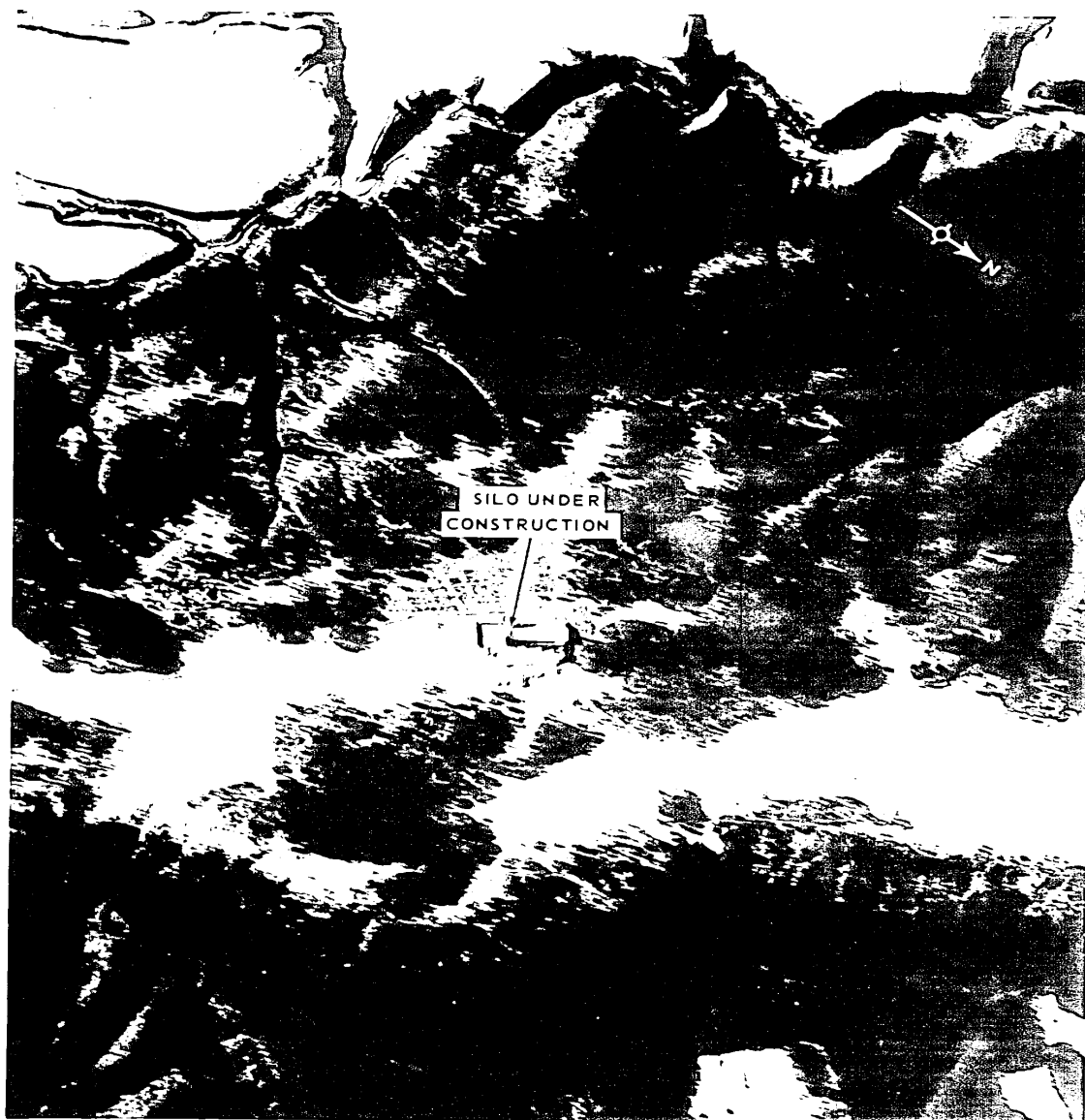
TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

ATTACHMENT 13



LAUNCH SITE A2, TATISHCHEVO ICBM COMPLEX, USSR.

NPIC J-7021 (1/66)

TOP SECRET

25X1

25X1

TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

ATTACHMENT 14



LAUNCH SITE A3, TATISHCHEVO ICBM COMPLEX, USSR

NPIC J-7022 (1/65)

TOP SECRET

25X1



25X1

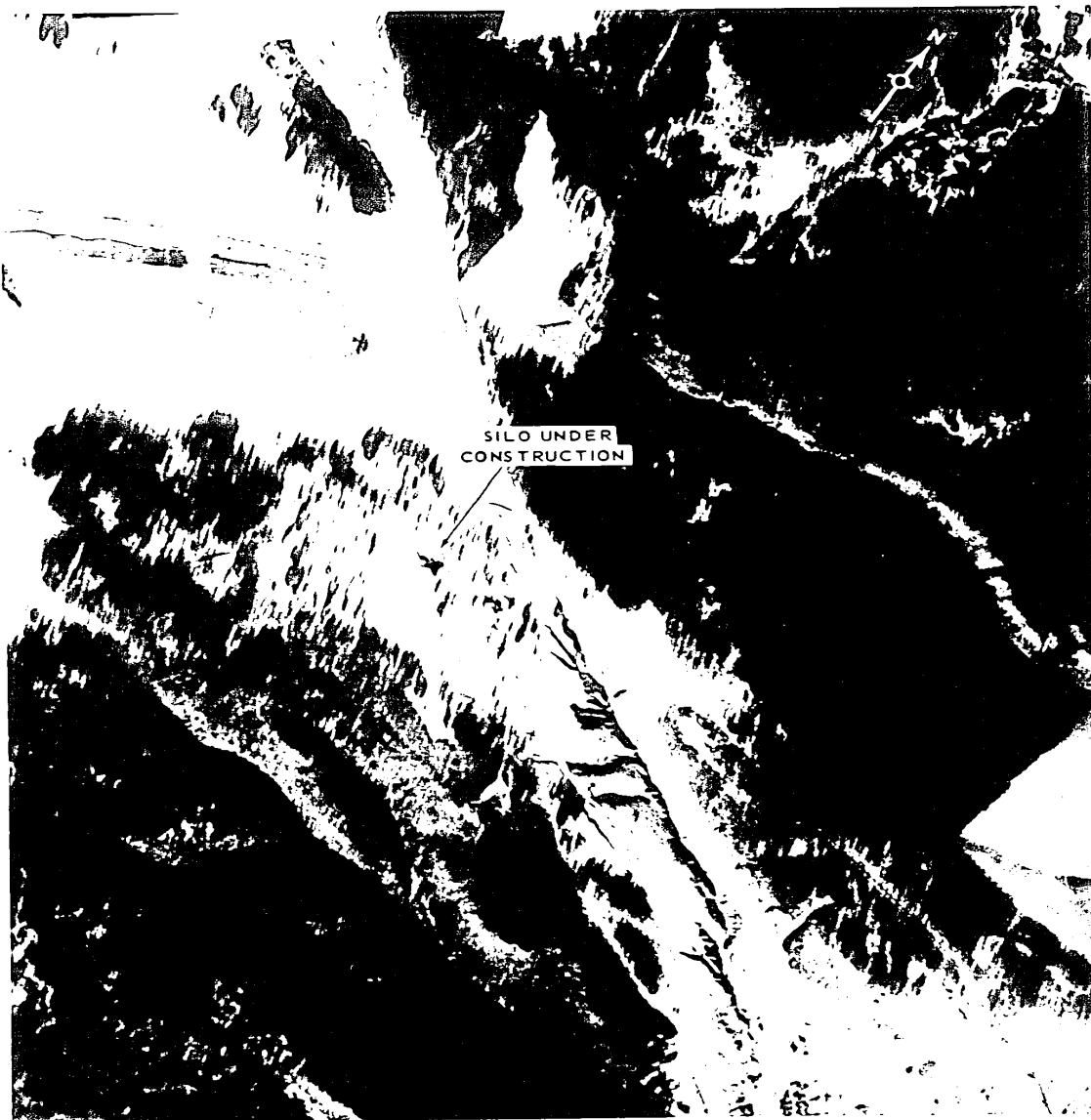
TOP SECRET

25X1

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

ATTACHMENT 15



LAUNCH SITE A4, TATISHCHEVO ICBM COMPLEX, USSR

NPIC J-7023 (1, 65)

TOP SECRET

25X1

25X1

TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

ATTACHMENT 16



LAUNCH SITE A5, TATISHCHEVO ICBM COMPLEX, USSR

NPIC J-7024 (1/65)

TOP SECRET

25X1

TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

ATTACHMENT 16



LAUNCH SITE A5, TATISHCHEVO ICBM COMPLEX, USSR

NPIC J-7024 (1/65)

TOP SECRET

25X1

25X1

TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

ATTACHMENT 17



LAUNCH SITE A6, TATISHCHEVO ICBM COMPLEX, USSR

NPIC J-7025 (1/65)

TOP SECRET

25X1

25X1

TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

ATTACHMENT 18

NPIC J-7020 (1/60)



LAUNCH SITE A7, TATISHCHEVO ICBM COMPLEX, USSR

TOP SECRET

25X1

TOP SECRET

25X1

25X1

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

ATTACHMENT 19



LAUNCH SITE A8, TATISHCHEVO ICBM COMPLEX, USSR

NPIC J-7027 (1 86)

TOP SECRET

25X1

25X1

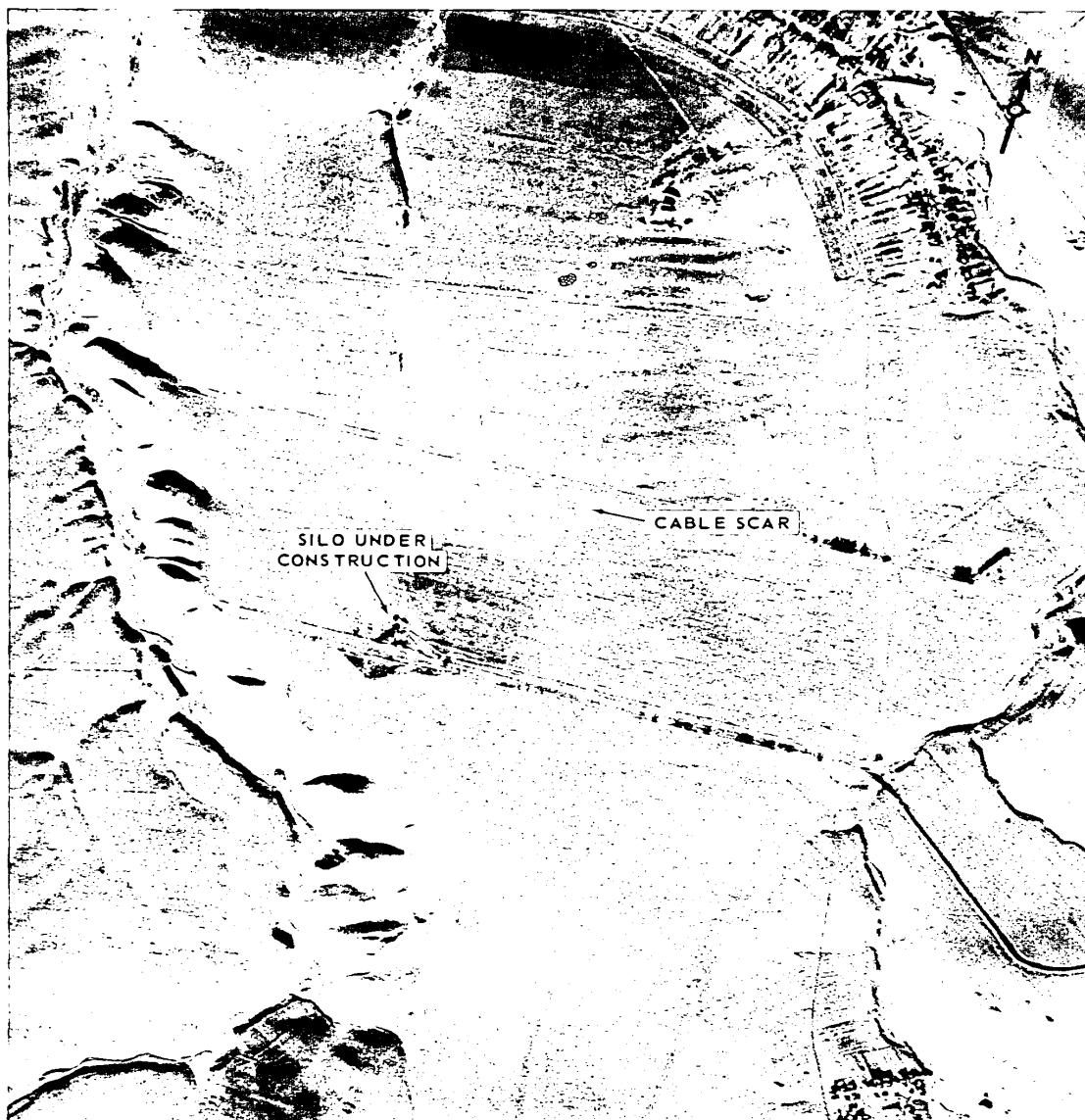
TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

ATTACHMENT 20



LAUNCH SITE A9, TATISHCHEVO ICBM COMPLEX, USSR

NPIC J-7562 (1/65)

TOP SECRET

25X1

TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

ATTACHMENT 21



RAIL-TO-ROAD TRANSFER POINT, TATISHCHEVO ICBM COMPLEX, USSR

TOP SECRET



25X1

TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

ATTACHMENT 22



AL ISMAILIYAH SA-2 SAM SITE B01-2 EGYPT

NPIC J-7065 (1/65)

TOP SECRET

25X1

TOP SECRET

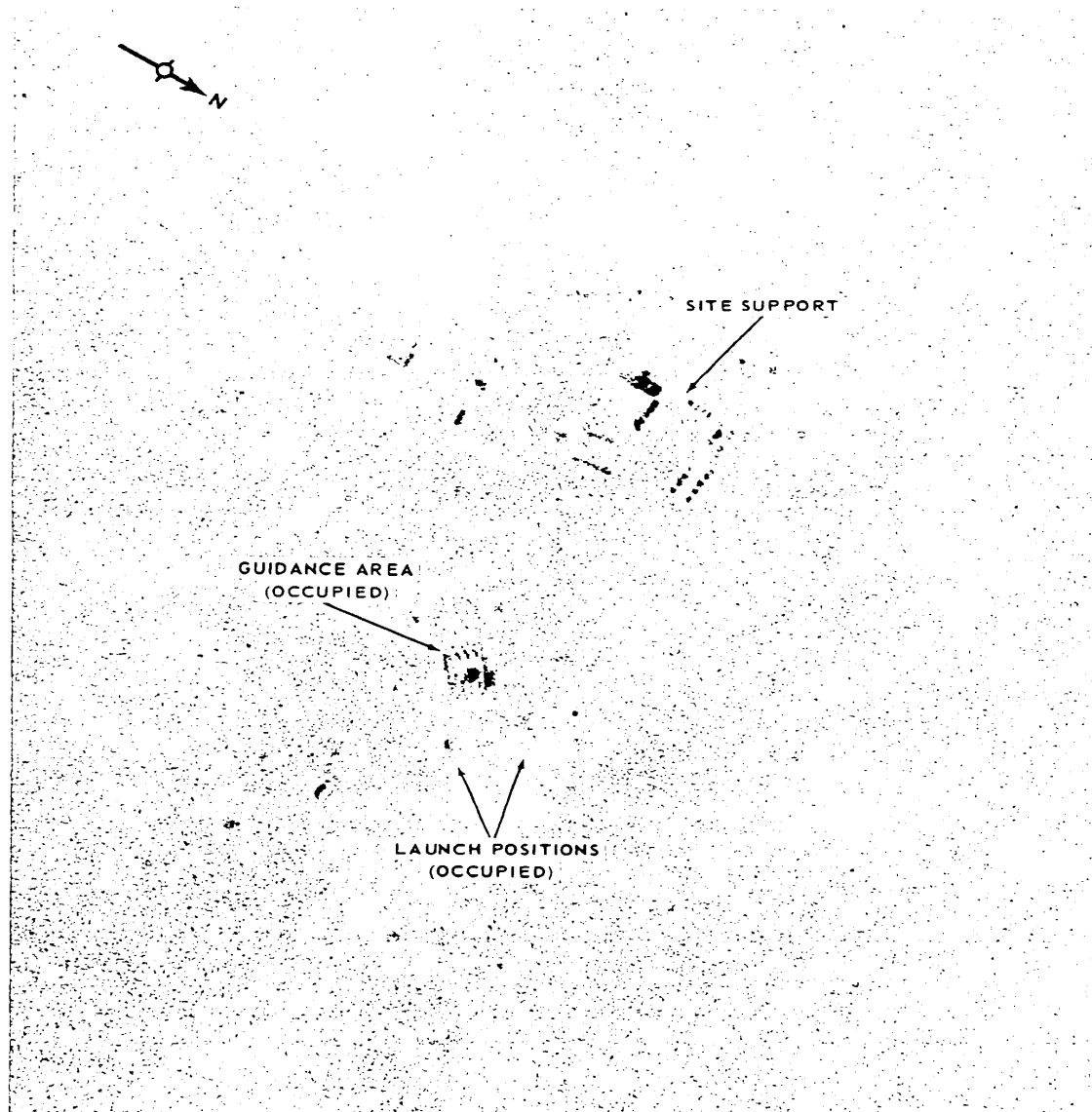
MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

25X1

ATTACHMENT 23



AL ISMAILIYAH SA-2 SAM SITE B19-2, EGYPT

NPIC J-7066 (1/65)

TOP SECRET

25X1

TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

ATTACHMENT 24



GUIDANCE AREA

LAUNCH POSITIONS

AS SUWAYS SA-2 SAM SITE B06-2, EGYPT

NPIC J-7067 (1/65)

TOP SECRET

25X1

TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

ATTACHMENT 25



NEW CLEARED STRIP, VLADIMIROVKA FLIGHT TEST CENTER, USSR

NPIC J-7015 (1 65)

TOP SECRET

25X1

25X2

**Page Denied**

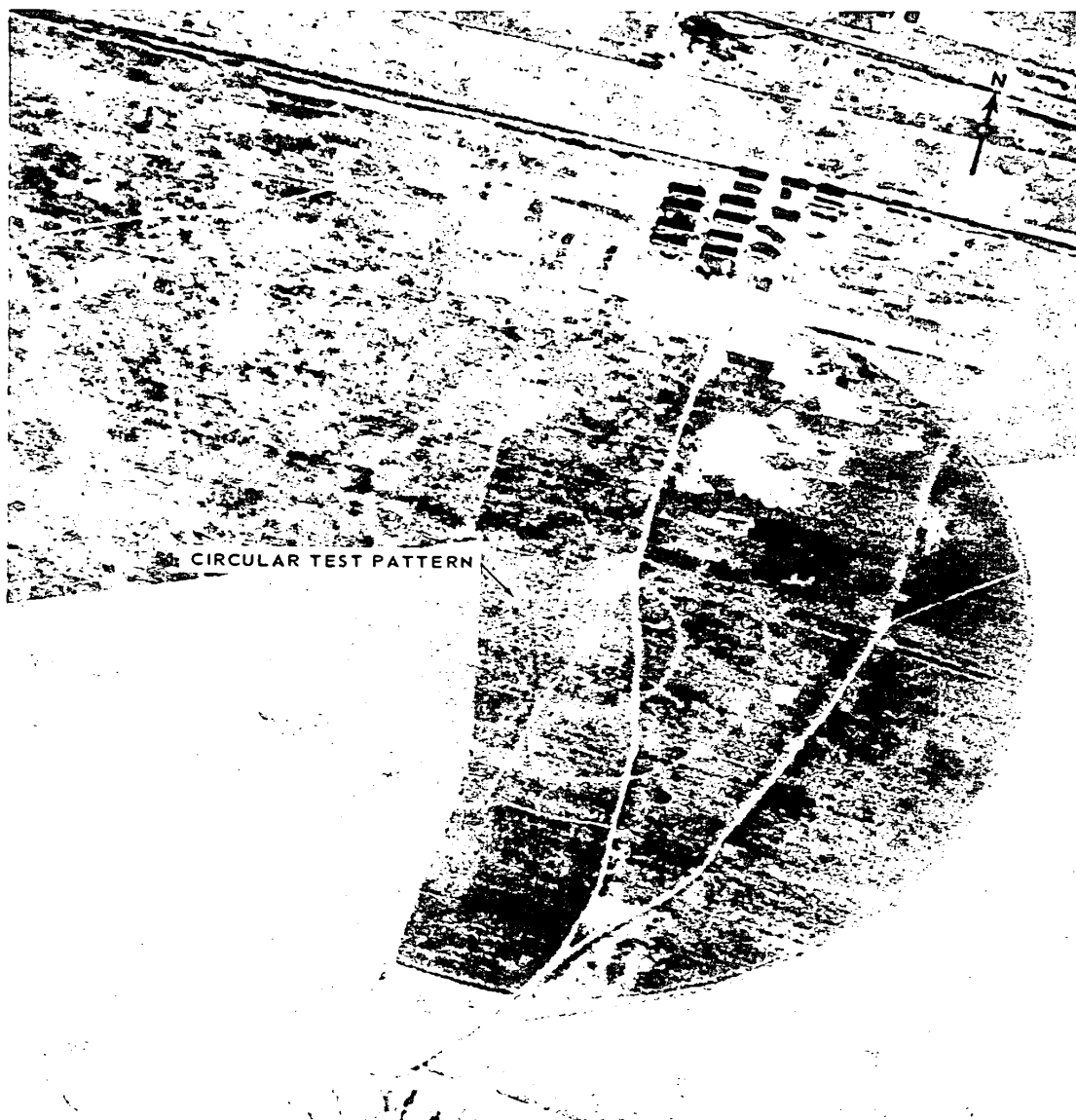
TOP SECRET

MISSION 1015-2, 25, 28-30 DECEMBER 1964

25X1

25X1

ATTACHMENT 27



CIRCULAR TEST PATTERN, PAI-CHENG WEAPONS TEST RANGE, CHINA

NPIC 3-7070 (1/65)

TOP SECRET CHESS RUFF

25X1